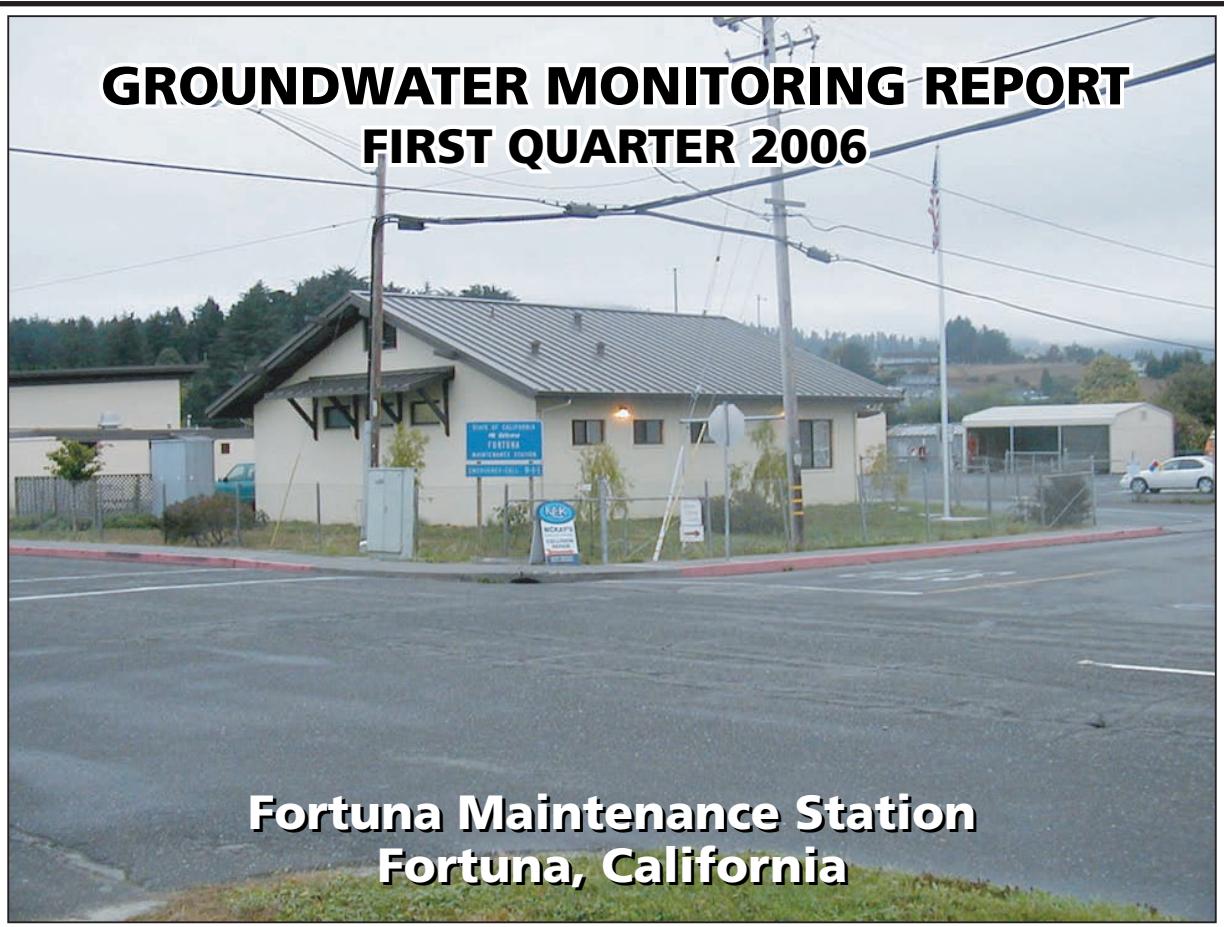


GROUNDWATER MONITORING REPORT

FIRST QUARTER 2006



PREPARED FOR:

**CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 3
P.O. BOX 911
MARYSVILLE, CALIFORNIA 95901**



PREPARED BY:

**GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742**



GEOCON

**GEOCON PROJECT NO. S8875-06-49
TASK ORDER NO. 49**

MARCH 2006



Project No. S8875-06-49

March 31, 2006

Mr. Doug Coleman
California Department of Transportation
District 3
P.O. Box 911
Marysville, California 95901

Subject: FORTUNA MAINTENANCE STATION
FORTUNA, CALIFORNIA
CONTRACT NO. 03A0937
TASK ORDER NO. 49
GROUNDWATER MONITORING REPORT – FIRST QUARTER 2006

Dear Mr. Coleman:

In accordance with California Department of Transportation Contract No. 03A0937, Task Order No. 49, Geocon Consultants, Inc. has performed groundwater monitoring activities at the Fortuna Maintenance Station located at 1924 Smith Lane in Fortuna, California (the Site). The approximate site location is depicted on the attached Vicinity Map, Figure 1. The scope of services we provided included depth to groundwater measurements, the sampling of fifteen groundwater monitoring wells, submittal of the water samples to a California-certified analytical laboratory and preparation of this report.

BACKGROUND

The Site consists of a Caltrans Maintenance Station containing office and equipment buildings, a resident mechanic's facility, a warehouse, storage bins and a loading dock. Eleven groundwater monitoring wells are located onsite and four groundwater monitoring wells are located offsite to the west.

One gasoline underground storage tank (UST), one diesel UST and one waste oil UST were removed from the central portion of the Site in October 1992. Additionally, HSI reports that another gasoline UST may have been present near the reported "gasoline house." The locations of these USTs are based on a geophysical survey performed in January 1998 and are depicted on the Site Plan, Figure 2.

Several phases of investigation have occurred at the Site. Currently, eleven onsite and four offsite groundwater monitoring wells are present. Groundwater monitoring has been performed at the Site since May 1989. Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) have historically been reported for the groundwater samples.

The most recent remedial activity at the Site was performed in September 1999. A total of 2,746 tons of petroleum hydrocarbon-impacted soil was excavated from the central portion of the Site (including the former gasoline and diesel UST excavations) and disposed of. The maximum depth of the excavation was reported as approximately 12 feet below the ground surface (bgs), and the average depth of the excavation was reported as 10 feet bgs. The limits of the soil excavation are depicted on Figure 2. The excavation was subsequently backfilled with 2,224 tons of 3/4-inch aggregate base.

During backfilling of the excavation, 1,102 pounds of Oxygen Release Compound (ORC) containing magnesium peroxide was dispersed within the lower level of the backfill. ORC was also injected into 200 Geoprobe® holes located within the downgradient plume area, most of them within the Fortuna Boulevard right-of-way. Based on the soil excavation activities, One Earth Environmental, Inc. reported that the majority of soil impacts beneath the Site remain in a "gray silt" material at a depth of approximately 3 to 5 feet bgs.

Results of the groundwater monitoring at the Site show that TPHg and benzene are present in two separate areas of the Site. TPHg and benzene were reported for onsite well MW-3 and offsite well MW-11. These impacts appear to be associated with the former "gasoline house" located on the western edge of the Site near the southwest corner of the office and equipment building. The greatest TPHg and benzene concentrations were reported for the sample collected from well MW-16 located in the central portion of the Site just north of the northern edge of the 1999 soil excavation. Free-product was encountered in well MW-16 in September 2004.

Based on the presence of free-product encountered in well MW-16, the Humboldt County Department of Environmental Health (HCDEH) issued a March 22, 2005, directive for additional investigation at the Site, with the following comments:

- *Has the extent of soil and groundwater contamination been adequately defined in the vicinity of MW-16 and downgradient of this well to the north and northwest?*
- *Has the source removal of contaminated soil or groundwater in the vicinity of MW-16 been conducted to the maximum extent practicable?*
- *What is the mass quantity and distribution of contaminants in soil and groundwater in the vicinity of MW-16?*
- *What additional remedial actions may be warranted to achieve water quality objectives in a reasonable period of time?*

In addition, the HCDEH indicated that the analysis performed at the Site could be limited to petroleum hydrocarbons and volatile organic compounds (VOCs).

FIELD ACTIVITIES

Depth to Groundwater Measurements

On March 8, 2006, we measured the depth to groundwater in monitoring wells MW-1 through MW-3, MW-5, MW-6, MW-8, MW-10 through MW-16, DW-1 and PW-1 using a battery-operated water level meter. Measurements were obtained from a reference point at the top of the well casings (TOC). Well MW-16 was also checked for the presence of free-product using an oil/water interface probe. Free-product was not present in well MW-16, and the absorbent sock placed in the well on February 23, 2006, was clean. Absorbent socks are used to absorb the free-phase product on the groundwater surface. The sock will be replaced during each quarterly groundwater monitoring event, as necessary.

During the First Quarter – 2006, depth to groundwater at the Site ranged from 0.89 (MW-6) to 8.65 (DW-1) feet below TOC. Based on the March 2006 groundwater elevation data, the groundwater appears to be mounded on the west side of the Site. The groundwater flows radially away from the mound with an average gradient of 0.027. The historical groundwater flow direction beneath the Site has been to the north and northwest.

A summary of the TOC elevations, depth to groundwater measurements and groundwater elevations is presented on Table 1. Groundwater elevation contours, flow direction and gradient are depicted on the Groundwater Elevation Map – March 2006, Figure 2.

Well Purging and Sampling

On March 8, 2006, approximately two to three well volumes of water (8.5 to 100 gallons) were purged from each of the fifteen wells using a portable, 12-volt submersible pump. The pump was decontaminated before and after each use by washing in an Alconox™ solution followed by fresh and distilled water rinses. During the well purging activities, the groundwater was monitored for pH, electrical conductivity and temperature. This information is included on the Monitoring Well Sampling Data sheets presented in Appendix A.

Following the purging activities, groundwater samples were collected from the wells using disposable bailers and decanted through a low-flow sample release tube into laboratory-provided, hydrochloric acid-preserved 40-milliliter volatile organic analysis vials. The samples were sealed, labeled, placed in an ice chest containing ice and subsequently transported to the laboratory using standard chain-of-custody protocol.

The extracted groundwater was placed into eleven Department of Transportation-approved, 17-H, 55-gallon drums, which were stored onsite pending receipt of laboratory analysis. The purge water will be transported to an appropriate disposal facility in May 2006.

ANALYTICAL METHODS AND RESULTS

Laboratory Analysis

The groundwater samples were delivered to Advanced Technology Laboratories (ATL), a Caltrans-approved and California-certified analytical laboratory, for the analyses of TPHg following United States Environmental Protection Agency (EPA) Test Method 8015B modified and BTEX following EPA Test Method 8021B. The samples from wells MW-6, MW-10 and DW-1 were additionally analyzed for VOCs following EPA Test Method 8260B. Groundwater analytical results are summarized on Tables 1 through 4. Laboratory reports and chain-of-custody documentation are presented in Appendix B.

Analytical Results

TPHg was reported for the groundwater samples collected from MW-3, MW-10, MW-11, MW-15, MW-16 and PW-1 at concentrations ranging from 73 (PW-1) to 42,000 (MW-16) micrograms per liter ($\mu\text{g/l}$). Benzene was reported for the samples from MW-3, MW-11 and MW-16 at respective concentrations of 43, 10 and 5,000 $\mu\text{g/l}$. Toluene, ethylbenzene and total xylenes were also reported for the samples from MW-3, MW-11 and MW-16 at concentrations ranging from 2.8 (toluene, MW-3) to 6,700 (toluene, MW-16) $\mu\text{g/l}$. TPHg and benzene concentrations for the First Quarter – 2006 groundwater monitoring event are depicted on Figure 3.

VOCs were not reported at concentrations greater than their respective laboratory test method detection limits for each of the groundwater samples analyzed with the exception of 1,2-dichloroethane at 8.2 µg/l in the sample from MW-10.

The field quality assurance/quality control (QA/QC) implemented for the First Quarter – 2006 groundwater monitoring at the Site included the collection of a duplicate groundwater sample and an equipment blank, and the submittal of a trip blank sample. The groundwater sample collected from MW-13 was duplicated and labeled as non-existent monitoring well MW-17. When comparing the results of primary sample MW-13 to the duplicate sample (see Appendix B for MW-17 results), none of the tested analytes were reported at concentrations greater than their respective laboratory test method detection limits for each sample, thus showing good repeatability. None of the tested analytes were reported at concentrations greater than their respective laboratory test method detection limits for the trip blank or equipment blank.

We also reviewed the analytical laboratory QA/QC provided with the laboratory report. These data show that concentrations of the selected analytes were not reported at concentrations greater than their respective analytical laboratory method detection limits for the method blanks and that the method blank surrogate recoveries are acceptable. The analytical laboratory QA/QC data further showed acceptable recoveries and RPDs for the matrix spikes and matrix spike duplicates. Appropriate recoveries were noted for the laboratory control samples. Based on this limited data review, no qualifications of the First Quarter – 2006 data are necessary, and the data are considered of sufficient quality for the purposes of this report.

Geotracker Submittal

The laboratory prepared electronic data files for submittal to the State Water Resources Control Board Geotracker database. The Geotracker database is accessible via the Geotracker website at <http://geotracker.waterboards.ca.gov>. The electronic data was uploaded to Geotracker on March 30, and April 3, 2006. The confirmation numbers are 6471296548 and 6617833673.

RECOMMENDATIONS

Based on the results of the March 2006 analytical data, groundwater monitoring should continue at the Site to evaluate seasonal trends in groundwater elevation and contaminant concentrations at the Site and beneath Fortuna Boulevard. We prepared a Workplan dated April 26, 2005, to address the March 22, 2005 directive from the HCDEH. The proposed additional investigation activities included approximately eight direct-push soil borings advanced onsite in the vicinity of well MW-16 and to the north and northwest (downgradient) of well MW-16. Pending the analytical results for the soil and grab groundwater samples collected from the direct-push soil borings, up to two additional groundwater monitoring wells will be installed at the Site.

The direct-push boring activities were performed on March 21 and 22, 2006. Nine direct-push borings were advanced to a depth of 8 feet bgs. Soil and grab groundwater samples were collected from each of the nine borings. Results of the samples collected from the direct-push borings will be used to evaluate locations of two new groundwater monitoring wells which are to be installed in April 2006. The Second Quarter – 2006 groundwater monitoring event is scheduled for May 2006, and will include the two new wells.

In addition, upon completion of the additional site investigation activities, we will prepare a Remedial Action Options Report (RAOR) to evaluate potential remedial activities that may be implemented at the Site. The RAOR will be submitted during the second quarter of 2006.

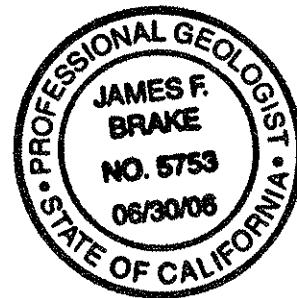
Please contact us if there are any questions concerning the contents of this Report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

Rebecca L. Silva, REA
Project Manager

Jim Brake, PG
Senior Geologist



RLS:JFB:jaj

(4) Addressee

Attachments:

Figure 1, Vicinity Map

Figure 2, Groundwater Elevation Map – March 2006

Figure 3, Petroleum Hydrocarbons in Groundwater – March 2006

Table 1, Summary of Groundwater Elevation and Analytical Data

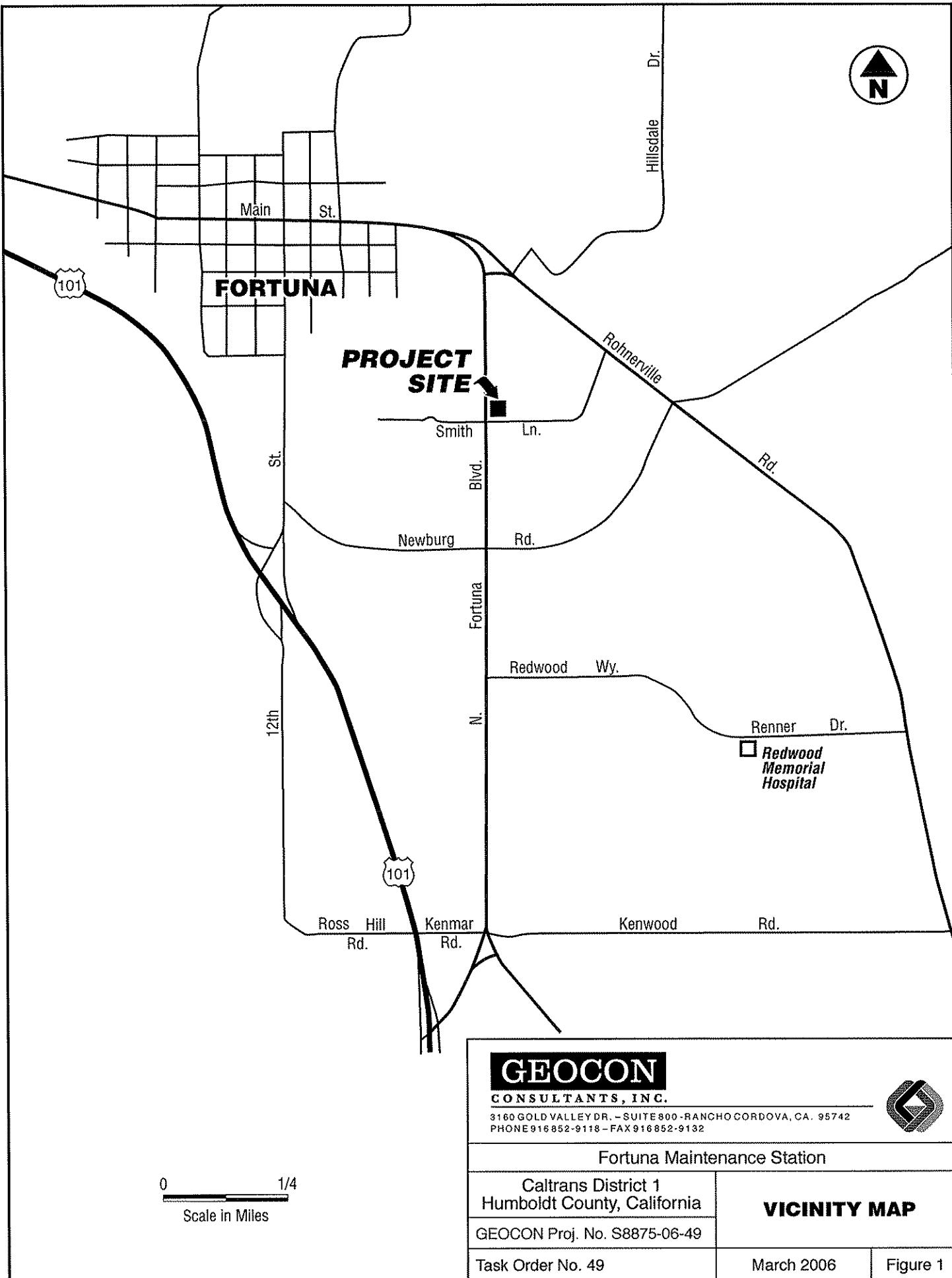
Table 2, Summary of Groundwater Analytical Data - Fuel Oxygenates

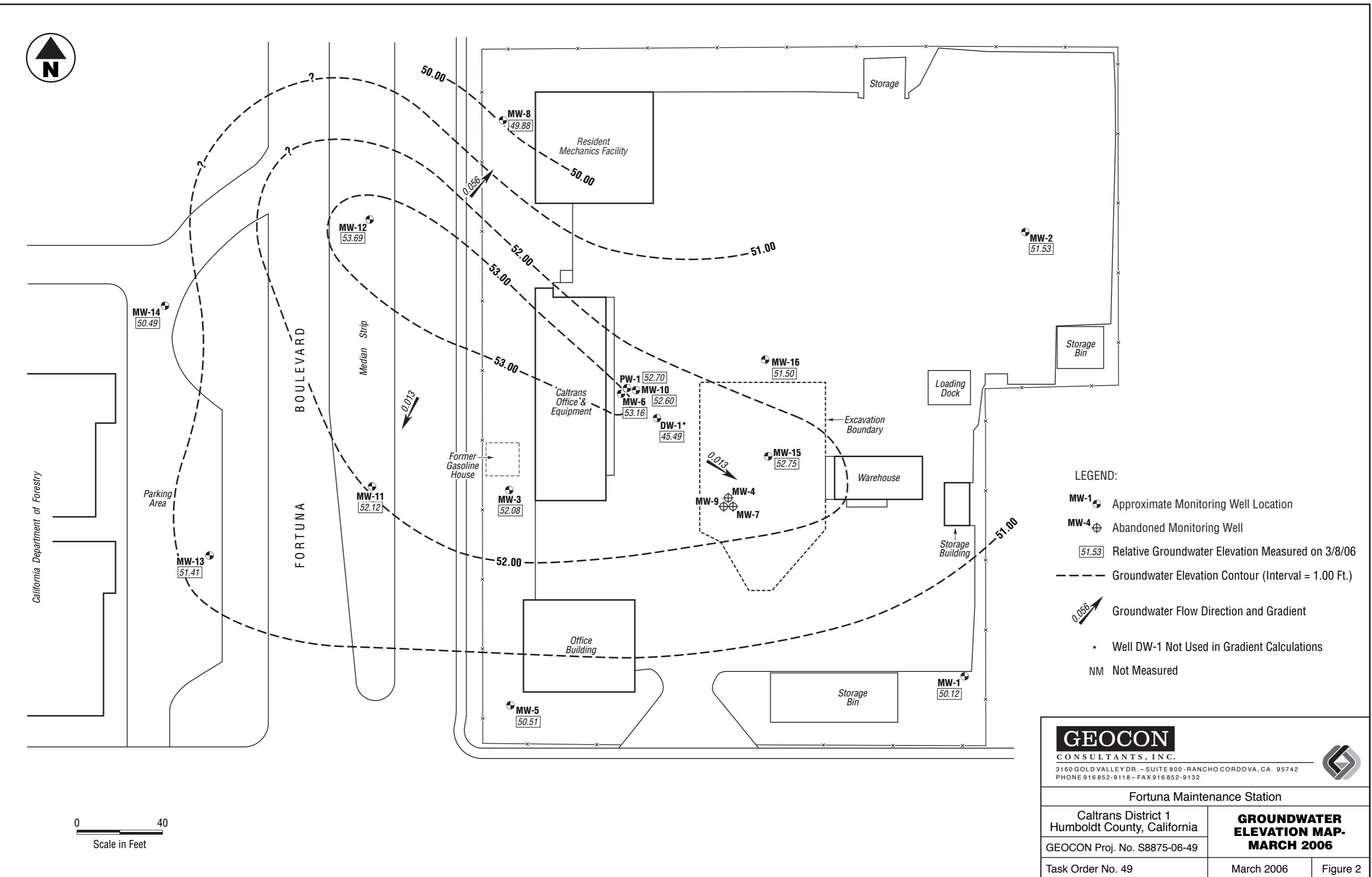
Table 3, Summary of Groundwater Analytical Data - Geochemical Data

Table 4, Summary of Groundwater Analytical Data - Volatile Organic Compounds

Appendix A, Monitoring Well Sampling Data Sheets

Appendix B, Laboratory Report and Chain-of-Custody Documentation







California Department of Forestry

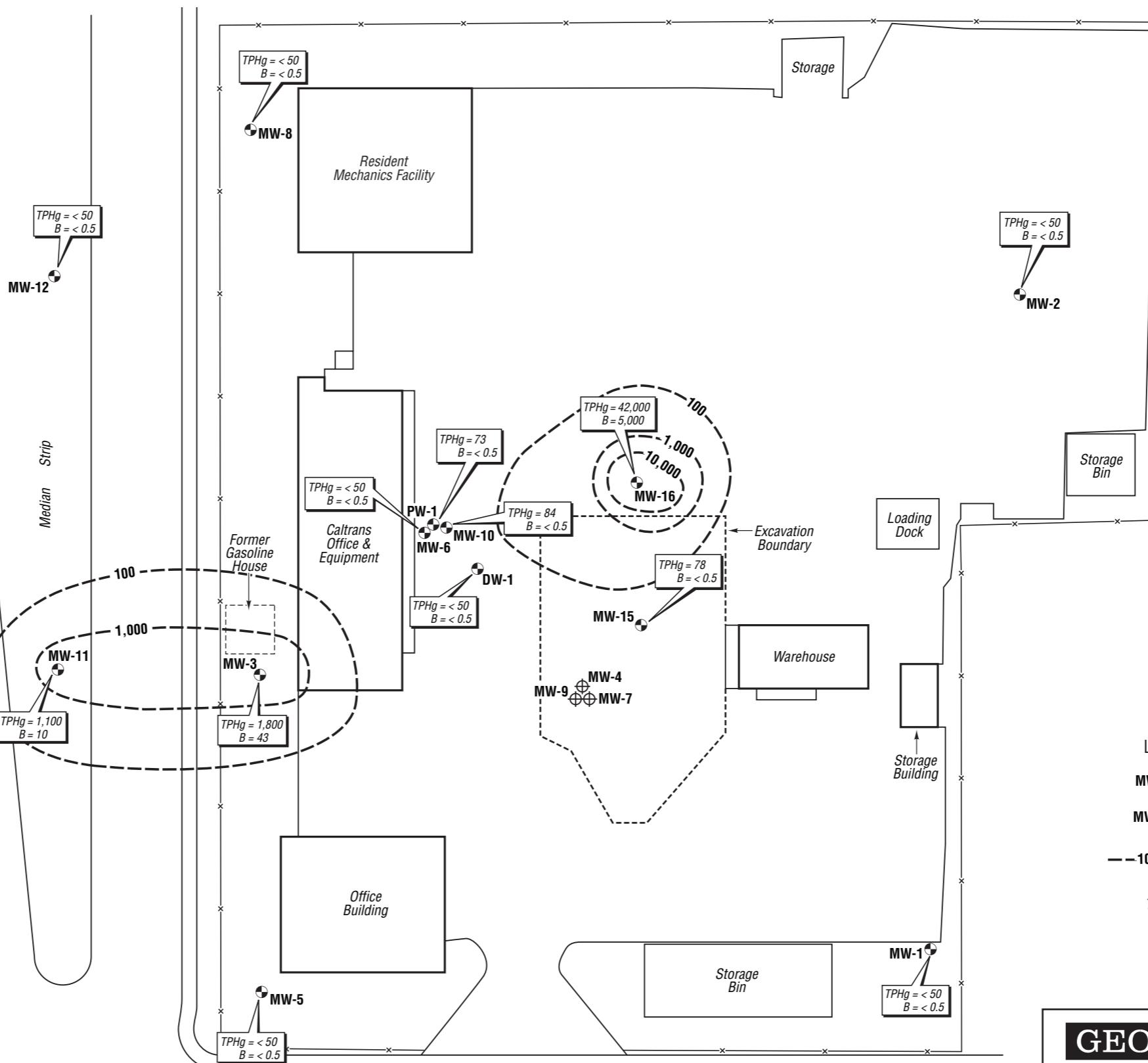
Parking Area

MW-13
 $TPHg = < 50$
 $B = < 0.5$ MW-14
 $TPHg = < 50$
 $B = < 0.5$

BOULEVARD

FORTUNA

Median Strip

0 40
Scale in Feet

LEGEND:

MW-1 ● Approximate Monitoring Well Location

MW-4 + Abandoned Monitoring Well

— 100 — TPHg Isoconcentration Contour (ug/l)

TPHg = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
All Concentrations Reported in Micrograms per Liter

GEOCON
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PHONE 916 852-9118 - FAX 916 852-9132

Fortuna Maintenance Station

Caltrans District 1
Humboldt County, California

GEOCON Proj. No. S8875-06-49

Task Order No. 49

**PETROLEUM
HYDROCARBONS
IN GROUNDWATER-
MARCH 2006**

March 2006

Figure 3

TABLE I
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Volume ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|----------------------------|----------------------------------|-----------------------------------|
| MW-1 | 05/24/89 | 53.15 | --- | --- | ND | ND | ND | ND | ND |
| MW-1 | 10/18/89 | 53.15 | --- | --- | 1.0 | ND | ND | ND | ND |
| MW-1 | 11/20/90 | 53.15 | 4.17 | 48.98 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-1 | 05/18/94 | 53.15 | 2.28 | 50.87 | ND | ND | ND | ND | ND |
| MW-1 | 09/20/95 | 53.15 | 4.25 | 48.90 | 56 | 2.7 | 6.3 | 0.8 | 2.5 |
| MW-1 | 03/19/96 | 53.15 | 2.20 | 50.95 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-1 | 09/26/96 | 53.15 | 3.40 | 49.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/03/97 | 53.15 | 1.56 | 51.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 09/24/97 | 53.15 | 2.44 | 50.71 | --- | --- | --- | --- | --- |
| MW-1 | 04/07/98 | 53.15 | 1.68 | 51.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/16/99 | 53.15 | 1.62 | 51.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 08/31/99 | 53.15 | 4.17 | 48.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/28/00 | 53.15 | 2.31 | 50.84 | 100 ¹ | 1.0 | 3.3 | <0.5 | 2.1 |
| MW-1 | 10/10/00 | 53.15 | --- | --- | --- | --- | --- | --- | --- |
| MW-1 | 12/07/00 | 53.15 | --- | --- | --- | --- | --- | --- | --- |
| MW-1 | 02/23/01 | 53.15 | 1.97 | 51.18 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 05/08/01 | 53.15 | 2.51 | 50.64 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 09/26/01 | 53.15 | 5.00 | 48.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 12/12/01 | 53.15 | 2.57 | 50.58 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/12/02 | 53.15 | 1.95 | 51.20 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 05/21/02 | 53.15 | 2.55 | 50.60 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 08/28/02 | 53.15 | 3.83 | 49.32 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 11/20/02 | 53.15 | 3.42 | 49.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 02/18/03 | 53.15 | 1.96 | 51.19 | --- | --- | --- | --- | --- |
| MW-1 | 05/13/03 | 53.15 | 1.36 | 51.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 08/19/03 | 53.15 | 3.32 | 49.83 | --- | --- | --- | --- | --- |
| MW-1 | 11/19/03 | 53.15 | 3.14 | 50.01 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/03/04 | 53.15 | 1.46 | 51.69 | --- | --- | --- | --- | --- |
| MW-1 | 04/28/04 | 53.15 | 2.09 | 51.06 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 09/16/04 | 53.15 | 4.13 | 49.02 | 82 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 02/10/05 | 53.15 | 1.89 | 51.26 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 05/12/05 | 53.15 | 1.51 | 51.64 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-1 | 03/08/06 | 53.15 | 3.03 | 50.12 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-2 | 05/24/89 | 53.09 | --- | --- | ND | ND | ND | ND | ND |
| MW-2 | 10/18/89 | 53.09 | --- | --- | ND | ND | ND | ND | ND |
| MW-2 | 11/20/90 | 53.09 | 5.23 | 47.86 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-2 | 09/20/95 | 53.09 | 4.58 | 48.51 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |

TABLE 1
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 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Volume (kg/l) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------|------------------------------|--------------------------|-----------------------------|--------------------------|----------------------------------|-----------------------------------|
| MW-2 | 03/19/96 | 53.09 | 2.70 | 50.39 | --- | --- | --- | --- | --- |
| MW-2 | 09/26/96 | 53.09 | 3.14 | 49.95 | --- | --- | --- | --- | --- |
| MW-2 | 03/03/97 | 53.09 | 1.90 | 51.19 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 09/24/97 | 53.09 | 3.30 | 49.79 | --- | --- | --- | --- | --- |
| MW-2 | 04/07/98 | 53.09 | 1.79 | 51.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 03/16/99 | 53.09 | 2.24 | 50.85 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 08/31/99 | 53.09 | 5.24 | 47.85 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 03/28/00 | 53.09 | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 10/10/00 | 53.09 | 6.08 | 47.01 | 130 | 3.5 | 1.7 | 1.5 | 1.4 |
| MW-2 | 12/07/00 | 53.09 | 4.73 | 48.36 | 180 | <0.5 | 3.4 | 1.4 | 9.6 |
| MW-2 | 02/23/01 | 53.09 | 3.56 | 49.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 05/08/01 | 53.09 | 2.96 | 50.13 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 09/26/01 | 53.09 | 5.15 | 47.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 12/12/01 | 53.09 | 3.74 | 49.35 | 50 | <0.5 | <0.5 | 1.5 | 11 |
| MW-2 | 03/12/02 | 53.09 | 2.71 | 50.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 05/21/02 | 53.09 | 2.85 | 50.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 08/28/02 | 53.09 | 5.09 | 48.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 11/20/02 | 53.09 | 4.56 | 48.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 02/18/03 | 53.09 | 2.01 | 51.08 | --- | --- | --- | --- | --- |
| MW-2 | 05/13/03 | 53.09 | 1.37 | 51.72 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 08/19/03 | 53.09 | 4.34 | 48.75 | --- | --- | --- | --- | --- |
| MW-2 | 11/19/03 | 53.09 | 3.83 | 49.26 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 03/03/04 | 53.09 | 1.51 | 51.58 | --- | --- | --- | --- | --- |
| MW-2 | 04/28/04 | 53.09 | 2.16 | 50.93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 09/16/04 | 53.09 | 5.39 | 47.70 | 97 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 02/10/05 | 53.09 | 2.00 | 51.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 05/12/05 | 53.09 | 1.72 | 51.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 03/08/06 | 53.09 | 1.56 | 51.53 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-3 | 05/24/89 | 54.00 | --- | --- | 580 | 38 | 3.0 | 10 | 26 |
| MW-3 | 10/18/89 | 54.00 | --- | --- | 450 | 73 | 6.0 | 10 | 7 |
| MW-3 | 11/20/90 | 54.00 | 7.48 | 46.52 | 2,100 | 200 | 10 | 80 | 28 |
| MW-3 | 05/18/94 | 54.00 | 4.35 | 49.65 | 1,400 | 18 | ND | ND | ND |
| MW-3 | 09/20/95 | 54.00 | 7.35 | 46.65 | 310 | 32 | 5.7 | 11 | 4.6 |
| MW-3 | 03/19/96 | 54.00 | 3.40 | 50.60 | --- | --- | --- | --- | --- |
| MW-3 | 09/26/96 | 54.00 | 6.96 | 47.04 | --- | --- | --- | --- | --- |
| MW-3 | 03/03/97 | 54.00 | 2.97 | 51.03 | 910 | 51 | 0.9 | 15 | 4.6 |
| MW-3 | 09/24/97 | 54.00 | 6.72 | 47.28 | 360 | 13 | 0.82 | 9.4 | 3.9 |

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|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| MW-3 | 04/08/98 | 54.00 | 2.81 | 51.19 | 1,500 | 52 | 2.0 | 40 | 9.4 |
| MW-3 | 10/07/98 | 54.00 | 7.38 | 46.62 | 200 | 2.9 | 1.4 | 4.3 | 4.1 |
| MW-3 | 03/16/99 | 54.00 | 2.32 | 51.68 | 900 | 36 | <0.5 | 16 | 6.3 |
| MW-3 | 08/31/99 | 54.00 | 7.12 | 46.88 | <50 | 2.9 | <0.5 | 3.6 | 2.9 |
| MW-3 | 03/29/00 | 54.00 | 3.58 | 50.42 | 1,100 ¹ | 51 | 6.8 | 24 | 3.1 |
| MW-3 | 10/11/00 | 54.00 | 6.88 | 47.12 | 300 | 2.2 | <0.5 | 2.4 | 2.4 |
| MW-3 | 12/07/00 | 54.00 | Buried under mud and steel | — | — | — | — | — | — |
| MW-3 | 02/23/01 | 54.00 | 3.35 | 50.65 | 510 | 8.7 | 2.9 | 7.5 | 4.9 |
| MW-3 | 05/08/01 | 54.00 | 4.62 | 49.38 | 690 | 33 | 5.3 | 10.0 | 7.7 |
| MW-3 | 09/26/01 | 54.00 | 5.87 | 48.13 | 510 | 13 | 1.6 | 9.0 | 8.4 |
| MW-3 | 12/12/01 | 54.00 | 3.33 | 50.67 | 1,600 | 45 | 6.6 | 16 | 13 |
| MW-3 | 03/12/02 | 54.00 | 3.35 | 50.65 | 680 | 1.0 | 3.1 | 1.2 | 6.2 |
| MW-3 | 05/21/02 | 54.00 | 4.78 | 49.22 | 1,100 | 29 | 5.7 | 26 | 13 |
| MW-3 | 08/28/02 | 54.00 | 7.14 | 46.86 | 280 | 7.3 | 1.6 | 2.6 | 2.7 |
| MW-3 | 11/20/02 | 54.00 | 6.34 | 47.66 | 610 | 3.8 | 6.7 | 4.0 | 7.3 |
| MW-3 | 02/18/03 | 54.00 | 3.64 | 50.36 | 450 | 2.4 | 3.5 | <0.5 | 7.1 |
| MW-3 | 05/13/03 | 54.00 | 2.82 | 51.18 | 1,700 | 26 | 13 | 33 | 16 |
| MW-3 | 08/19/03 | 54.00 | 5.02 | 48.98 | 990 | 37 | <0.5 | 16 | 7.6 |
| MW-3 | 11/19/03 | 54.00 | 4.69 | 49.31 | 80 | 1.8 | 0.7 | <0.5 | <0.5 |
| MW-3 | 03/03/04 | 54.00 | 2.56 | 51.44 | <50 | <0.5 | 3.0 | <0.5 | 3.0 |
| MW-3 | 04/28/04 | 54.00 | 4.38 | 49.62 | 620 | 60 | 5.9 | 19 | 11 |
| MW-3 | 09/17/04 | 54.00 | 6.35 | 47.65 | 570 | 12 | 4.9 | 9.4 | 2.7 |
| MW-3 | 02/10/05 | 54.00 | 3.89 | 50.11 | 1,300 | 63 | 9.7 | 31 | 8.0 |
| MW-3 | 05/12/05 | 54.00 | 3.42 | 50.58 | 980 | 21 | 7.4 | 15 | 4.8 |
| MW-3 | 03/08/06 | 54.00 | 1.92 | 52.08 | 1,800 | 43 | 2.8 | 23 | 6.6 |
| MW-4 | 05/24/89 | — | — | — | 67,000 | 17,000 | 25,000 | 23,000 | 12,000 |
| MW-4 | 10/18/89 | Well Abandoned | — | — | — | — | — | — | — |
| MW-5 | 05/24/89 | 53.29 | — | — | ND | ND | ND | ND | ND |
| MW-5 | 10/18/89 | 53.29 | — | — | ND | ND | ND | ND | ND |
| MW-5 | 11/20/90 | 53.29 | 4.69 | 48.60 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-5 | 09/20/95 | 53.29 | 5.01 | 48.28 | <50 | <0.3 | 0.67 | <0.3 | <0.3 |
| MW-5 | 03/19/96 | 53.29 | 2.35 | 50.94 | — | — | — | — | — |
| MW-5 | 09/26/96 | 53.29 | 4.43 | 48.86 | — | — | — | — | — |
| MW-5 | 03/03/97 | 53.29 | 2.49 | 50.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 09/24/97 | 53.29 | 4.15 | 49.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 04/07/98 | 53.29 | 2.46 | 50.83 | <50 | 0.59 | <0.5 | <0.5 | <0.5 |

TABLE I
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHs ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|----------------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| MW-5 | 10/06/98 | 53.29 | 4.75 | 48.54 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 03/16/99 | 53.29 | 2.14 | 51.15 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 08/31/99 | 53.29 | 4.77 | 48.52 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 03/28/00 | 53.29 | 2.75 | 50.54 | 100 ¹ | <0.5 | 1.3 | <0.5 | <0.5 |
| MW-5 | 10/10/00 | 53.29 | — | — | — | — | — | — | — |
| MW-5 | 12/07/00 | 53.29 | Buried under construction debris | — | — | — | — | — | — |
| MW-5 | 02/23/01 | 53.29 | Buried under construction debris | — | — | — | — | — | — |
| MW-5 | 05/08/01 | 53.29 | Buried under construction debris | — | — | — | — | — | — |
| MW-5 | 09/26/01 | 53.29 | 4.12 | 49.17 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 12/12/01 | 53.29 | 2.72 | 50.57 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 03/12/02 | 53.29 | 2.68 | 50.61 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 05/21/02 | 53.29 | 3.31 | 49.98 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 08/28/02 | 53.29 | 4.63 | 48.66 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 11/20/02 | 53.29 | 4.05 | 49.24 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 02/18/03 | 53.29 | 2.89 | 50.40 | — | — | — | — | — |
| MW-5 | 05/13/03 | 53.29 | 2.35 | 50.94 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 08/19/03 | 53.29 | 3.63 | 49.66 | — | — | — | — | — |
| MW-5 | 11/19/03 | 53.29 | 3.25 | 50.04 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 03/03/04 | 53.29 | 2.32 | 50.97 | — | — | — | — | — |
| MW-5 | 04/28/04 | 53.29 | 3.03 | 50.26 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 09/16/04 | 53.29 | 4.35 | 48.94 | 85 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 02/10/05 | 53.29 | 2.91 | 50.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 05/12/05 | 53.29 | 2.60 | 50.69 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 03/08/06 | 53.29 | 2.78 | 50.51 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-6 | 05/24/89 | 54.05 | — | — | 3,200 | 3,000 | 3.0 | 1.0 | 1.0 |
| MW-6 | 10/18/89 | 54.05 | — | — | 9,600 | 7,300 | 170 | 330 | 280 |
| MW-6 | 11/20/90 | 54.05 | 8.25 | 45.80 | 6,400 | 4,400 | 16 | 220 | 20 |
| MW-6 | 05/18/94 | 54.05 | 5.80 | 48.25 | 120 | ND | ND | ND | ND |
| MW-6 | 09/19/95 | 54.05 | 7.98 | 46.07 | 8,900 | 830 | 220 | 91 | 200 |
| MW-6 | 03/19/96 | 54.05 | 5.34 | 46.71 | — | — | — | — | — |
| MW-6 | 09/26/96 | 54.05 | 6.18 | 47.87 | — | — | — | — | — |
| MW-6 | 03/03/97 | 54.05 | 3.48 | 50.57 | <50 | <0.5 | 0.9 | <0.5 | <0.5 |
| MW-6 | 09/24/97 | 54.05 | 7.11 | 46.94 | — | — | — | — | — |
| MW-6 | 04/08/98 | 54.05 | 1.66 | 52.39 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 03/17/99 | 54.05 | 1.26 | 52.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 08/31/99 | 54.05 | 7.32 | 46.73 | 6.0 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 03/29/00 | 54.05 | 2.61 | 51.44 | 100 ¹ | 0.7 | 1.1 | <0.5 | <0.5 |

TABLE I
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 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| MW-6 | 10/10/00 | 54.05 | 7.64 | 46.41 | <50 | 2.4 | 1.1 | <0.5 | <0.5 |
| MW-6 | 12/07/00 | 54.05 | 5.71 | 48.34 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 02/22/01 | 54.05 | 4.00 | 50.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 05/08/01 | 54.05 | 4.35 | 49.70 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 09/26/01 | 54.05 | 5.96 | 48.09 | 77 | 2.6 | 0.58 | <0.5 | 0.51 |
| MW-6 | 12/12/01 | 54.05 | 4.18 | 49.87 | 66 | 0.83 | <0.5 | <0.5 | 0.75 |
| MW-6 | 03/12/02 | 54.05 | 2.90 | 51.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 05/21/02 | 54.05 | 4.01 | 50.04 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 08/28/02 | 54.05 | 7.44 | 46.61 | 94 | 4.4 | <0.5 | 0.51 | <0.5 |
| MW-6 | 11/20/02 | 54.05 | 7.59 | 46.46 | 190 | 6.7 | <0.5 | <0.5 | <0.5 |
| MW-6 | 02/18/03 | 54.05 | 3.27 | 50.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 05/13/03 | 54.05 | 1.54 | 52.51 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 08/19/03 | 54.05 | 5.56 | 48.49 | <50 | 0.53 | <0.5 | <0.5 | <0.5 |
| MW-6 | 11/19/03 | 54.05 | 5.89 | 48.16 | <50 | 0.9 | <0.5 | <0.5 | <0.5 |
| MW-6 | 03/03/04 | 54.05 | 1.29 | 52.76 | 2,300 | 69 | 41 | 17 | 21 |
| MW-6 | 04/28/04 | 54.05 | 3.58 | 50.47 | <50 | 0.60 | <0.5 | 0.60 | <0.5 |
| MW-6 | 09/16/04 | 54.05 | 7.13 | 46.92 | 160 | 0.71 | <0.5 | <0.5 | <0.5 |
| MW-6 | 02/10/05 | 54.05 | 3.18 | 50.87 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 05/12/05 | 54.05 | 2.56 | 51.49 | <50 | <0.5 | <0.5 | <0.5 | 0.66 |
| MW-6 | 03/08/06 | 54.05 | 0.89 | 53.16 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-7 | 10/18/89 | 54.33 | — | — | 580 | 56 | 120 | 21 | 130 |
| MW-7 | 11/20/90 | 54.33 | 13.44 | 40.89 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-7 | 05/18/94 | 54.33 | 11.68 | 42.65 | ND | ND | ND | ND | ND |
| MW-7 | 09/19/95 | 54.33 | 13.59 | 40.74 | 68 | 5.6 | 7.8 | 1.2 | 3.2 |
| MW-7 | 03/19/96 | 54.33 | 9.65 | 44.68 | — | — | — | — | — |
| MW-7 | 09/26/96 | 54.33 | 13.75 | 40.58 | — | — | — | — | — |
| MW-7 | 03/03/97 | 54.33 | 0.79 | 53.54 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-7 | 09/24/97 | 54.33 | 13.03 | 41.30 | — | — | — | — | — |
| MW-7 | 04/08/98 | 54.33 | 8.22 | 46.11 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-7 | 03/16/99 | 54.33 | 8.45 | 45.88 | <50 | <0.5 | 0.5 | <0.5 | 0.6 |
| MW-7 | 08/31/99 | 54.33 | 13.19 | 41.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-7 | 03/28/00 | Well Abandoned | — | — | — | — | — | — | — |
| MW-8 | 10/18/89 | 53.68 | — | — | ND | ND | ND | ND | ND |
| MW-8 | 11/20/90 | 53.68 | 12.11 | 41.57 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-8 | 04/15/91 | 53.68 | — | — | ND | ND | ND | ND | ND |
| MW-8 | 05/19/93 | 53.68 | — | — | ND | ND | ND | ND | ND |

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 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethylbenzene (µg/l) | Total Xylenes (µg/l) |
|-----------|----------|----------------------|--------------|------------------------------|------------------|----------------|----------------|---------------------|----------------------|
| MW-8 | 11/17/93 | 53.68 | — | — | ND | ND | ND | ND | ND |
| MW-8 | 05/18/94 | 53.68 | 8.14 | 45.54 | ND | ND | ND | ND | ND |
| MW-8 | 09/20/95 | 53.68 | 12.40 | 41.28 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-8 | 03/19/96 | 53.68 | 7.03 | 46.65 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-8 | 09/26/96 | 53.68 | 12.59 | 41.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/03/97 | 53.68 | 6.61 | 47.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 09/24/97 | 53.68 | 12.04 | 41.64 | — | — | — | — | — |
| MW-8 | 04/07/98 | 53.68 | 5.38 | 48.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/16/99 | 53.68 | 4.71 | 48.97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 08/31/99 | 53.68 | 12.42 | 41.26 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/28/00 | 53.68 | 6.22 | 47.46 | 100 ^a | 1.4 | 3.2 | <0.5 | <0.5 |
| MW-8 | 10/11/00 | 53.68 | 12.05 | 41.63 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 12/07/00 | 53.68 | 4.73 | 48.95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 02/22/01 | 53.68 | 7.10 | 46.58 | 110 | 0.94 | 0.68 | <0.5 | <0.5 |
| MW-8 | 05/08/01 | 53.68 | 7.43 | 46.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 09/26/01 | 53.68 | 11.63 | 42.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 12/12/01 | 53.68 | 7.06 | 46.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/12/02 | 53.68 | 6.15 | 47.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 05/21/02 | 53.68 | 6.75 | 46.93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 08/28/02 | 53.68 | 11.90 | 41.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 11/20/02 | 53.68 | 12.12 | 41.56 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 02/18/03 | 53.68 | 6.40 | 47.28 | — | — | — | — | — |
| MW-8 | 05/13/03 | 53.68 | 4.82 | 48.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 08/19/03 | 53.68 | 11.01 | 42.67 | — | — | — | — | — |
| MW-8 | 11/19/03 | 53.68 | 9.92 | 43.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/03/04 | 53.68 | 5.26 | 48.42 | — | — | — | — | — |
| MW-8 | 04/28/04 | 53.68 | 6.63 | 47.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 09/16/04 | 53.68 | 11.74 | 41.94 | 91 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 02/10/05 | 53.68 | 6.50 | 47.18 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 05/12/05 | 53.68 | 5.68 | 48.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 03/08/06 | 53.68 | 3.80 | 49.88 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-9 | 11/20/90 | 54.49 | 4.99 | 49.50 | 28,000 | 5,300 | 4,100 | 1,000 | 5,300 |
| MW-9 | 05/18/94 | 54.49 | 2.74 | 51.75 | 70 | 11 | 0.6 | ND | 5.8 |
| MW-9 | 09/19/95 | 54.49 | 4.69 | 49.80 | 2,000 | 350 | 27 | 280 | 110 |
| MW-9 | 03/19/96 | 54.49 | 1.93 | 52.56 | — | — | — | — | — |
| MW-9 | 09/26/96 | 54.49 | 4.51 | 49.98 | — | — | — | — | — |
| MW-9 | 03/03/97 | 54.49 | 1.61 | 52.88 | 50 | 9.0 | 0.56 | 2.4 | 1.5 |

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 FORTUNA, CALIFORNIA

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|-----------|-----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| MW-9 | 09/24/97 | 54.49 | 4.25 | 50.24 | — | — | — | — | — |
| MW-9 | 04/08/98 | 54.49 | 1.63 | 52.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-9 | 03/16/99 | 54.49 | 1.60 | 52.89 | 500 | 20 | 1.2 | 8.0 | 6.2 |
| MW-9 | 08/31/99 | 54.49 | 4.70 | 49.79 | 600 | 34 | 1.0 | 6.1 | 4.2 |
| MW-9 | 03/28/00 | Well Abandoned | — | — | — | — | — | — | — |
| MW-10 | 10/18/89 | 54.21 | — | — | 4,300 | 3,900 | 3 | ND | 9.0 |
| MW-10 | 1/1/20/90 | 54.21 | 8.48 | 45.73 | 3,100 | 3,000 | 0.3 | 0.5 | 1.0 |
| MW-10 | 05/18/94 | 54.21 | 4.67 | 49.54 | ND | ND | ND | ND | ND |
| MW-10 | 09/19/95 | 54.21 | 8.06 | 46.15 | 160 | 21 | 18 | 3.0 | 8.0 |
| MW-10 | 03/19/96 | 54.21 | 2.79 | 51.42 | — | — | — | — | — |
| MW-10 | 09/26/96 | 54.21 | 4.32 | 49.89 | — | — | — | — | — |
| MW-10 | 03/03/97 | 54.21 | 6.01 | 48.20 | <50 | <0.5 | <0.5 | <0.5 | 0.6 |
| MW-10 | 09/24/97 | 54.21 | 7.36 | 46.85 | — | — | — | — | — |
| MW-10 | 04/08/98 | 54.21 | 2.97 | 51.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 03/17/99 | 54.21 | 1.63 | 52.58 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 08/31/99 | 54.21 | 7.59 | 46.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 03/29/00 | 54.21 | 3.01 | 51.20 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 10/10/00 | 54.21 | 7.67 | 46.54 | <50 | 3.3 | 6.5 | 6.66 | 5.6 |
| MW-10 | 12/07/00 | 54.21 | 5.53 | 48.68 | 150 | <0.5 | 2.3 | 1.3 | 7.1 |
| MW-10 | 02/22/01 | 54.21 | 4.31 | 49.90 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 05/08/01 | 54.21 | 6.33 | 47.88 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 09/26/01 | 54.21 | 10.00 | 44.21 | 66 | 1.7 | <0.5 | <0.5 | <0.5 |
| MW-10 | 12/12/01 | 54.21 | 4.83 | 49.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 03/12/02 | 54.21 | 3.35 | 50.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 05/21/02 | 54.21 | 4.35 | 49.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 08/28/02 | 54.21 | 7.64 | 46.57 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 11/20/02 | 54.21 | 10.89 | 43.32 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 02/18/03 | 54.21 | 3.43 | 50.78 | — | — | — | — | — |
| MW-10 | 05/13/03 | 54.21 | 2.02 | 52.19 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 08/19/03 | 54.21 | 5.72 | 48.49 | — | — | — | — | — |
| MW-10 | 11/19/03 | 54.21 | 6.16 | 48.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 03/03/04 | 54.21 | 1.77 | 52.44 | — | — | — | — | — |
| MW-10 | 04/28/04 | 54.21 | 3.78 | 50.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 09/16/04 | 54.21 | 7.36 | 46.85 | 160 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 02/10/05 | 54.21 | 3.47 | 50.74 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 05/12/05 | 54.21 | 2.85 | 51.36 | 160 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-10 | 03/08/06 | 54.21 | 1.61 | 52.60 | 84 | <0.5 | <0.5 | <0.5 | <1.0 |

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| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| MW-11 | 06/04/90 | 55.27 | | 7,900 | 300 | 38 | 30 | 85 | |
| MW-11 | 11/20/90 | 55.27 | 9.54 | 45.73 | 5,100 | 370 | 56 | 43 | 70 |
| MW-11 | 09/20/95 | 55.27 | 9.36 | 45.91 | 4,900 | 290 | 44 | 51 | 11 |
| MW-11 | 03/19/96 | 55.27 | 5.21 | 50.06 | --- | --- | --- | --- | --- |
| MW-11 | 09/26/96 | 55.27 | 8.91 | 46.36 | --- | --- | --- | --- | --- |
| MW-11 | 03/04/97 | 55.27 | 4.78 | 50.49 | 4,000 | <0.5 | 28 | 29 | 26 |
| MW-11 | 09/24/97 | 55.27 | 9.04 | 46.23 | --- | --- | --- | --- | --- |
| MW-11 | 04/08/98 | 55.27 | 4.58 | 50.69 | 5,800 | 160 | 31 | 19 | 13 |
| MW-11 | 03/17/99 | 55.27 | 4.01 | 51.26 | 4,900 | 81 | 15 | 17 | 8.6 |
| MW-11 | 08/31/99 | 55.27 | 9.19 | 46.08 | 4,300 | 51 | 19 | 25 | 9.4 |
| MW-11 | 03/29/00 | 55.27 | 5.58 | 49.69 | 1,100 | 49 | 13 | 8.3 | 4.0 |
| MW-11 | 10/10/00 | 55.27 | 8.77 | 46.50 | 3,500 | 81 | 21 | 16 | 7.9 |
| MW-11 | 12/07/00 | 55.27 | 6.18 | 49.09 | 2,200 | 230 | <2.5 | 69 | 8.3 |
| MW-11 | 02/23/01 | 55.27 | 4.84 | 50.43 | 490 | 3.7 | 3.2 | 2.8 | 2.0 |
| MW-11 | 05/08/01 | 55.27 | 6.20 | 49.07 | 1,200 | 16 | 2.2 | 1.3 | 1.4 |
| MW-11 | 09/26/01 | 55.27 | 7.51 | 47.76 | 2,300 | 72 | 16 | 27 | 20 |
| MW-11 | 12/12/01 | 55.27 | 5.10 | 50.17 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-11 | 03/12/02 | 55.27 | 5.15 | 50.12 | 2,300 | 41 | 5.8 | 7.6 | 10 |
| MW-11 | 05/21/02 | 55.27 | 6.64 | 48.63 | 4,500 | 45 | 23 | 30 | 17 |
| MW-11 | 08/28/02 | 55.27 | 9.27 | 46.00 | 400 | 0.95 | 2.4 | 2.9 | 3.5 |
| MW-11 | 11/20/02 | 55.27 | 8.31 | 46.96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-11 | 02/18/03 | 55.27 | 5.09 | 50.18 | 4,200 | 67 | 37 | 13 | 23 |
| MW-11 | 05/13/03 | 55.27 | 4.71 | 50.56 | 4,600 | 97 | 50 | 15 | 26 |
| MW-11 | 08/19/03 | 55.27 | 6.45 | 48.82 | 530 | 1.1 | <0.5 | <0.5 | <0.5 |
| MW-11 | 11/19/03 | 55.27 | 6.20 | 49.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-11 | 03/03/04 | 55.27 | 4.28 | 50.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-11 | 04/28/04 | 55.27 | 6.04 | 49.23 | 2,100 | 92 | 44 | 26 | 19 |
| MW-11 | 09/17/04 | 55.27 | 8.03 | 47.24 | 3,000 | 46 | 22 | 21 | 17.1 |
| MW-11 | 02/10/05 | 55.27 | 5.49 | 49.78 | 1,600 | 25 | 19 | 12 | 6.2 |
| MW-11 | 05/12/05 | 55.27 | 5.22 | 50.05 | 1,600 | 30 | 23 | 15 | 14 |
| MW-11 | 03/08/06 | 55.27 | 3.15 | 52.12 | 1,100 | 10 | 4.2 | 7.5 | 5.8 |
| MW-12 | 06/04/90 | 55.30 | | | ND | ND | ND | ND | ND |
| MW-12 | 11/20/90 | 55.30 | 12.67 | 42.63 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-12 | 04/15/91 | 55.30 | --- | --- | ND | ND | ND | ND | ND |
| MW-12 | 05/19/93 | 55.30 | --- | --- | ND | ND | ND | ND | ND |
| MW-12 | 11/17/93 | 55.30 | --- | --- | ND | ND | ND | ND | ND |
| MW-12 | 05/18/94 | 55.30 | 8.36 | 46.94 | ND | ND | ND | ND | ND |

TABLE I
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| MW-12 | 09/20/95 | 55.30 | 12.49 | 42.81 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-12 | 03/19/96 | 55.30 | 6.68 | 48.62 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-12 | 09/26/96 | 55.30 | 12.56 | 42.74 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 03/04/97 | 55.30 | 5.52 | 49.78 | <50 | <0.5 | 1.0 | <0.5 | 2.1 |
| MW-12 | 09/24/97 | 55.30 | 12.18 | 43.12 | -- | -- | -- | -- | -- |
| MW-12 | 04/08/98 | 55.30 | 3.44 | 51.86 | <50 | <0.5 | 0.96 | <0.5 | 0.63 |
| MW-12 | 03/17/99 | 55.30 | 2.86 | 52.44 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 08/31/99 | 55.30 | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 03/28/00 | 55.30 | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 10/10/00 | 55.30 | 11.30 | 44.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 12/07/00 | 55.30 | 3.97 | 51.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 02/22/01 | 55.30 | 4.80 | 50.50 | 110 | 1.2 | 2.9 | <0.5 | 1.8 |
| MW-12 | 05/08/01 | 55.30 | 7.32 | 47.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 09/26/01 | 55.30 | 9.65 | 45.65 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 12/12/01 | 55.30 | 3.98 | 51.32 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 03/12/02 | 55.30 | 5.02 | 50.28 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 05/21/02 | 55.30 | 7.38 | 47.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 08/28/02 | 55.30 | 12.30 | 43.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 11/20/02 | 55.30 | 11.92 | 43.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 02/18/03 | 55.30 | 5.46 | 49.84 | -- | -- | -- | -- | -- |
| MW-12 | 05/13/03 | 55.30 | 3.95 | 51.35 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 08/19/03 | 55.30 | 6.62 | 48.68 | -- | -- | -- | -- | -- |
| MW-12 | 11/19/03 | 55.30 | 4.62 | 50.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 03/03/04 | 55.30 | 3.26 | 52.04 | -- | -- | -- | -- | -- |
| MW-12 | 04/28/04 | 55.30 | 6.94 | 48.36 | <50 | 0.83 | 0.56 | 0.59 | 1.8 |
| MW-12 | 09/16/04 | 55.30 | 10.61 | 44.69 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 02/10/05 | 55.30 | 5.81 | 49.49 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 05/12/05 | 55.30 | 5.89 | 49.41 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-12 | 03/08/06 | 55.30 | 1.61 | 53.69 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-13 | 11/20/90 | 52.93 | 6.13 | 46.80 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-13 | 09/20/95 | 52.93 | 5.13 | 47.80 | <50 | <0.3 | 0.52 | <0.3 | <0.3 |
| MW-13 | 03/19/96 | 52.93 | 7.00 | 45.93 | -- | -- | -- | -- | -- |
| MW-13 | 09/26/96 | 52.93 | 6.55 | 46.38 | -- | -- | -- | -- | -- |
| MW-13 | 03/04/97 | 52.93 | 4.30 | 48.63 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 09/24/97 | 52.93 | 8.17 | 44.76 | <50 | <0.5 | 0.69 | 0.79 | 4.3 |
| MW-13 | 04/08/98 | 52.93 | 1.85 | 51.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 10/07/98 | 52.93 | 5.42 | 47.51 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

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 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| MW-13 | 03/16/99 | 52.93 | 1.70 | 51.23 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 08/31/99 | 52.93 | 5.46 | 47.47 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 03/28/00 | 52.93 | 2.55 | 50.38 | 200 ¹ | 0.6 | 1.5 | <0.5 | <0.5 |
| MW-13 | 10/11/00 | 52.93 | 5.24 | 47.69 | <0.5 | <0.5 | 3.8 | 1.0 | 5.0 |
| MW-13 | 12/07/00 | 52.93 | 3.34 | 49.59 | 180 | <0.5 | 4.0 | 1.8 | 1.3 |
| MW-13 | 02/22/01 | 52.93 | 2.09 | 50.84 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 05/08/01 | 52.93 | 3.15 | 49.78 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 09/26/01 | 52.93 | 4.18 | 48.75 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 12/12/01 | 52.93 | 2.29 | 50.64 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 03/12/02 | 52.93 | 2.40 | 50.53 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 05/21/02 | 52.93 | 4.70 | 48.23 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 08/28/02 | 52.93 | 4.78 | 48.15 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 11/20/02 | 52.93 | 4.71 | 48.22 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 02/18/03 | 52.93 | 2.73 | 50.20 | -- | -- | -- | -- | -- |
| MW-13 | 05/13/03 | 52.93 | 2.18 | 50.75 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 08/19/03 | 52.93 | 3.48 | 49.45 | -- | -- | -- | -- | -- |
| MW-13 | 11/19/03 | 52.93 | 3.62 | 49.31 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 03/03/04 | 52.93 | 1.83 | 51.10 | -- | -- | -- | -- | -- |
| MW-13 | 04/28/04 | 52.93 | 2.58 | 50.35 | <0.5 | <0.5 | <0.5 | <0.5 | 0.50 |
| MW-13 | 09/16/04 | 52.93 | 4.26 | 48.67 | 86 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 02/10/05 | 52.93 | 2.77 | 50.16 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 05/12/05 | 52.93 | 2.42 | 50.51 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-13 | 03/08/06 | 52.93 | 1.52 | 51.41 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-14 | 11/20/90 | 52.07 | 8.73 | 43.34 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| MW-14 | 04/15/91 | 52.07 | -- | -- | ND | ND | ND | ND | ND |
| MW-14 | 05/19/93 | 52.07 | -- | -- | ND | ND | ND | ND | ND |
| MW-14 | 11/17/93 | 52.07 | -- | -- | ND | ND | ND | ND | ND |
| MW-14 | 05/18/94 | 52.07 | 3.84 | 48.23 | ND | ND | ND | ND | ND |
| MW-14 | 09/20/95 | 52.07 | 8.02 | 44.05 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| MW-14 | 03/19/96 | 52.07 | 3.64 | 48.43 | -- | -- | -- | -- | -- |
| MW-14 | 09/26/96 | 52.07 | 7.86 | 44.21 | -- | -- | -- | -- | -- |
| MW-14 | 03/04/97 | 52.07 | 3.27 | 48.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 09/24/97 | 52.07 | 8.25 | 43.82 | 100 | 1.5 | 2.7 | 3.0 | 14 |
| MW-14 | 04/07/98 | 52.07 | 3.26 | 48.81 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 10/07/98 | 52.07 | 8.83 | 43.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 03/16/99 | 52.07 | 2.50 | 49.57 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 08/31/99 | 52.07 | 8.51 | 43.56 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

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 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| MW-14 | 03/28/00 | 52.07 | 3.31 | 48.76 | 100 ¹ | <0.5 | 1.6 | <0.5 | <0.5 |
| MW-14 | 10/11/00 | 52.07 | 7.57 | 44.50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 12/07/00 | 52.07 | 4.02 | 48.05 | 150 | <0.5 | 3.9 | 1.7 | 12 |
| MW-14 | 02/22/01 | 52.07 | 2.92 | 49.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 05/08/01 | 52.07 | 4.73 | 47.34 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 09/26/01 | 52.07 | 7.27 | 44.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 12/12/01 | 52.07 | 3.37 | 48.70 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 03/12/02 | 52.07 | 3.48 | 48.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 05/21/02 | 52.07 | 5.01 | 47.06 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 08/28/02 | 52.07 | 8.60 | 43.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 11/20/02 | 52.07 | 7.64 | 44.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 02/18/03 | 52.07 | 3.71 | 48.36 | -- | -- | -- | -- | -- |
| MW-14 | 05/13/03 | 52.07 | 3.04 | 49.03 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 08/19/03 | 52.07 | 5.81 | 46.26 | -- | -- | -- | -- | -- |
| MW-14 | 11/19/03 | 52.07 | 5.54 | 46.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 03/03/04 | 52.07 | 2.98 | 49.09 | -- | -- | -- | -- | -- |
| MW-14 | 04/28/04 | 52.07 | 4.58 | 47.49 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 09/16/04 | 52.07 | 7.63 | 44.44 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 02/10/05 | 52.07 | 3.86 | 48.21 | <50 | 0.52 | <0.5 | <0.5 | <0.5 |
| MW-14 | 05/12/05 | 52.07 | 3.38 | 48.69 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-14 | 03/08/06 | 52.07 | 1.85 | 50.22 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-15 | 10/11/00 | 54.47 | 6.71 | 47.76 | 2,800 | 180 | 140 | 59 | 319 |
| MW-15 | 12/07/00 | 54.47 | 6.23 | 48.24 | 2,800 | 590 | 1.5 | 92 | 25 |
| MW-15 | 02/23/01 | 54.47 | 4.29 | 50.18 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 05/08/01 | 54.47 | 4.07 | 50.40 | 260 | 18 | <0.5 | 2.4 | 1.0 |
| MW-15 | 09/26/01 | 54.47 | 6.80 | 47.67 | 86 | 2.1 | 1.0 | 0.67 | <0.5 |
| MW-15 | 12/12/01 | 54.47 | 5.36 | 49.11 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 03/12/02 | 54.47 | 3.26 | 51.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 05/21/02 | 54.47 | 3.71 | 50.76 | 120 | <0.5 | <0.5 | 0.67 | 0.66 |
| MW-15 | 08/28/02 | 54.47 | 6.25 | 48.22 | 71 | 1.3 | 2.1 | <0.5 | 0.58 |
| MW-15 | 11/20/02 | 54.47 | 7.48 | 46.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 02/18/03 | 54.47 | 3.22 | 51.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 05/13/03 | 54.47 | 1.89 | 52.58 | 110 | 17 | 21 | 1.1 | 9.2 |
| MW-15 | 08/19/03 | 54.47 | 4.69 | 49.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 11/19/03 | 54.47 | 5.81 | 48.66 | <50 | 0.8 | <0.5 | <0.5 | <0.5 |
| MW-15 | 03/03/04 | 54.47 | 1.96 | 52.51 | 390 | 110 | 52 | 1.4 | 21 |
| MW-15 | 04/28/04 | 54.47 | 2.88 | 51.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

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 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethylbenzene (µg/l) | Total Xylenes (µg/l) |
|-----------|----------|----------------------|--------------------------|------------------------------|----------------------|----------------|----------------|---------------------|----------------------|
| MW-15 | 09/16/04 | 54.47 | 6.21 | 48.26 | 120 | 1.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 02/10/05 | 54.47 | 3.28 | 51.19 | <50 | 1.2 | <0.5 | <0.5 | <0.5 |
| MW-15 | 05/12/05 | 54.47 | 2.37 | 52.10 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-15 | 03/08/06 | 54.47 | 1.72 | 52.75 | 78 | <0.5 | <0.5 | <0.5 | <1.0 |
| MW-16 | 10/11/00 | 53.75 | 7.88 | 45.87 | 6,000 | 520 | 800 | 76 | 620 |
| MW-16 | 12/07/00 | 53.75 | 6.53 | 47.22 | 76,000 | 8,100 | 15,000 | 920 | 6,400 |
| MW-16 | 02/23/01 | 53.75 | 5.00 | 48.75 | 24,000 | 4,100 | 4,300 | 310 | 1,600 |
| MW-16 | 05/08/01 | 53.75 | 4.84 | 48.91 | 3,000 | 790 | 350 | 110 | 440 |
| MW-16 | 09/26/01 | 53.75 | 7.91 | 45.84 | 20,000 | 5,500 | 2,800 | 130 | 2,100 |
| MW-16 | 12/12/01 | 53.75 | 5.32 | 48.43 | 8,900 | 1,100 | 950 | 130 | 690 |
| MW-16 | 03/12/02 | 53.75 | 3.62 | 50.13 | 9,400 | 2,900 | 1,600 | 26 | 1,100 |
| MW-16 | 05/21/02 | 53.75 | 5.02 | 48.73 | 21,000 | 3,200 | 2,500 | 330 | 1,800 |
| MW-16 | 08/28/02 | 53.75 | 7.38 | 46.37 | 6,500 | 960 | 1,200 | 61 | 670 |
| MW-16 | 11/20/02 | 53.75 | 7.91 | 45.84 | 6,300 | 2,100 | 700 | <10 | 350 |
| MW-16 | 02/18/03 | 53.75 | 4.81 | 48.94 | 8,200 | 2,100 | 2,200 | 130 | 1,500 |
| MW-16 | 05/13/03 | 53.75 | 2.65 | 51.10 | 24,000 | 4,000 | 4,500 | 200 | 3,100 |
| MW-16 | 08/19/03 | 53.75 | 5.64 | 48.11 | 58,000 | 5,800 | 9,500 | 510 | 7,100 |
| MW-16 | 11/19/03 | 53.75 | 6.56 | 47.19 | 89,000 | 7,720 | 13,800 | 810 | 11,400 |
| MW-16 | 03/03/04 | 53.75 | 4.02 | 49.73 | <500 | 5.3 | 6.6 | <5.0 | 8.1 |
| MW-16 | 04/28/04 | 53.75 | 3.51 | 50.24 | 40,000 | 5,200 | 10,000 | 200 | 8,200 |
| MW-16 | 09/16/04 | 53.75 | --- | --- | Sample not collected | | | | |
| MW-16 | 02/10/05 | 53.75 | 3.74 | 50.01 | 42,000 | 5,000 | 5,100 | 370 | 5,500 |
| MW-16 | 05/12/05 | 53.75 | 3.16 | 50.59 | 31,000 | 3,800 | 2,500 | 280 | 3,400 |
| MW-16 | 03/08/06 | 53.75 | 2.25 | 51.50 | 42,000 | 5,000 | 6,700 | 760 | 6,000 |
| DW-1 | 06/04/90 | 54.14 | --- | --- | ND | 0.4 | ND | ND | ND |
| DW-1 | 11/20/90 | 54.14 | 14.40 | 39.74 | <1 | <0.3 | <0.3 | <0.3 | <0.6 |
| DW-1 | 04/15/91 | 54.14 | --- | --- | ND | ND | ND | ND | ND |
| DW-1 | 05/19/93 | 54.14 | --- | --- | ND | ND | ND | ND | ND |
| DW-1 | 11/17/93 | 54.14 | --- | --- | ND | ND | ND | ND | ND |
| DW-1 | 05/18/94 | 54.14 | 12.61 | 41.53 | ND | ND | ND | ND | ND |
| DW-1 | 09/19/95 | 54.14 | 14.67 | 39.47 | <50 | 0.59 | 0.61 | <0.3 | <0.3 |
| DW-1 | 03/19/96 | 54.14 | 10.63 | 43.51 | <50 | <0.3 | <0.3 | <0.3 | <0.3 |
| DW-1 | 09/26/96 | 54.14 | 15.01 | 39.13 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 03/03/97 | 54.14 | 10.48 | 43.66 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 09/24/97 | 54.14 | 14.23 | 39.91 | <50 | 0.67 | 0.59 | <0.5 | 2.1 |
| DW-1 | 04/08/98 | 54.14 | 9.15 | 44.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

TABLE I
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|----------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------------|
| DW-1 | 10/07/98 | 54.14 | 13.60 | 40.54 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 03/17/99 | 54.14 | 9.07 | 45.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 08/31/99 | 54.14 | 14.68 | 39.46 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 03/29/00 | 54.14 | 3.22 | 50.92 | 100 ¹ | 0.6 | 0.8 | <0.5 | <0.5 |
| DW-1 | 10/11/00 | 54.14 | 14.15 | 39.99 | <50 | <0.5 | <0.5 | <0.5 | 0.58 |
| DW-1 | 12/07/00 | 54.14 | 5.93 | 48.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 02/22/01 | 54.14 | 11.52 | 42.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 05/08/01 | 54.14 | 11.34 | 42.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 09/26/01 | 54.14 | 14.20 | 39.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 12/12/01 | 54.14 | 12.89 | 41.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 03/12/02 | 54.14 | 10.43 | 43.71 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 05/21/02 | 54.14 | 11.25 | 42.89 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 08/28/02 | 54.14 | 14.04 | 40.10 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 11/20/02 | 54.14 | 14.10 | 40.04 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 02/18/03 | 54.14 | 10.89 | 43.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 05/13/03 | 54.14 | 9.09 | 45.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 08/19/03 | 54.14 | 14.36 | 39.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 11/19/03 | 54.14 | 13.64 | 40.50 | <50 | 0.5 | 0.8 | <0.5 | 2 |
| DW-1 | 03/03/04 | 54.14 | 9.51 | 44.63 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 04/28/04 | 54.14 | 10.61 | 43.53 | <50 | <0.5 | <0.5 | 0.70 | <0.5 |
| DW-1 | 09/16/04 | 54.14 | 14.15 | 39.99 | 94 | <0.5 | <0.5 | 0.73 | 2.53 |
| DW-1 | 02/10/05 | 54.14 | 10.87 | 43.27 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 05/12/05 | 54.14 | 10.06 | 44.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| DW-1 | 03/08/06 | 54.14 | 8.65 | 45.49 | <50 | <0.5 | <0.5 | <0.5 | <1.0 |
| PW-1 | 06/04/90 | 54.38 | — | — | 1,400 | 1,100 | 0.7 | 2.0 | 0.6 |
| PW-1 | 09/19/95 | 54.38 | 9.37 | 45.01 | 300 | 540 | 8.0 | <1.5 | 2.2 |
| PW-1 | 03/19/96 | 54.38 | 2.47 | 51.91 | — | — | — | — | — |
| PW-1 | 09/26/96 | 54.38 | 7.79 | 46.59 | — | — | — | — | — |
| PW-1 | 03/03/97 | 54.38 | 2.98 | 51.40 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 09/24/97 | 54.38 | 7.50 | 46.88 | — | — | — | — | — |
| PW-1 | 04/08/98 | 54.38 | 1.60 | 52.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 03/17/99 | 54.38 | 2.11 | 52.27 | <50 | 1.6 | <0.5 | 0.7 | <0.5 |
| PW-1 | 08/31/99 | 54.38 | 7.75 | 46.63 | <50 | 1.0 | <0.5 | <0.5 | <0.5 |
| PW-1 | 03/29/00 | 54.38 | 2.91 | 51.47 | 100 ¹ | 0.5 | 1.0 | <0.5 | <0.5 |
| PW-1 | 10/10/00 | 54.38 | 8.00 | 46.38 | 270 | 12 | 14 | 2.2 | 11.4 |
| PW-1 | 12/07/00 | 54.38 | 5.62 | 48.76 | 180 | 1.9 | 2.3 | 1.8 | 3.6 |
| PW-1 | 02/23/01 | 54.38 | 6.75 | 47.63 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

TABLE 1
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | TOC ELEVATION (feet) | GROUNDWATER DEPTH (feet) | GROUNDWATER ELEVATION (feet) | TPHg ($\mu\text{g/l}$) | Benzene ($\mu\text{g/l}$) | Toluene ($\mu\text{g/l}$) | Ethylbenzene ($\mu\text{g/l}$) | Total Xylenes ($\mu\text{g/l}$) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| PW-1 | 05/08/01 | 54.38 | 6.17 | 48.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 09/26/01 | 54.38 | 8.40 | 45.98 | 430 | <0.5 | <0.5 | 0.98 | 0.68 |
| PW-1 | 12/12/01 | 54.38 | 5.04 | 49.34 | <50 | 1.4 | <0.5 | <0.5 | <0.5 |
| PW-1 | 03/12/02 | 54.38 | 3.21 | 51.17 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 05/21/02 | 54.38 | 4.61 | 49.77 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 08/28/02 | 54.38 | 7.82 | 46.56 | 260 | 4.0 | <0.5 | <0.5 | <0.5 |
| PW-1 | 11/20/02 | 54.38 | 8.62 | 45.76 | 280 | 1.7 | 0.94 | <0.5 | <0.5 |
| PW-1 | 02/18/03 | 54.38 | 3.70 | 50.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 05/13/03 | 54.38 | 2.14 | 52.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 08/19/03 | 54.38 | 5.96 | 48.42 | 190 | <0.5 | <0.5 | 0.7 | <0.5 |
| PW-1 | 11/19/03 | 54.38 | 6.44 | 47.94 | <50 | 0.8 | <0.5 | <0.5 | <0.5 |
| PW-1 | 03/03/04 | 54.38 | 1.96 | 52.42 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 04/28/04 | 54.38 | 4.72 | 49.66 | <50 | 0.60 | 0.80 | <0.5 | 0.70 |
| PW-1 | 09/16/04 | 54.38 | 6.32 | 48.06 | 220 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 02/10/05 | 54.38 | 3.59 | 50.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 05/12/05 | 54.38 | 2.56 | 51.82 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| PW-1 | 03/08/06 | 54.38 | 1.68 | 52.70 | 73 | <0.5 | <0.5 | <0.5 | <1.0 |

Note:

$\mu\text{g/l}$ = Micrograms per liter
 — = Not tested or not available

<, ND = Less than laboratory test method detection limit
 However, quantitation is based on a gasoline standard.^a

^a Laboratory report notation "Samples contains hydrocarbons that do not match the gasoline pattern.

TABLE 2
 SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260) ($\mu\text{g/l}$) | TBA (8020/8260) ($\mu\text{g/l}$) | ETBEE (8020/8260) ($\mu\text{g/l}$) | DIPE (8020/8260) ($\mu\text{g/l}$) | TAME (8020/8260) ($\mu\text{g/l}$) | Methanol (8020) ($\mu\text{g/l}$) | Ethanol (8020) ($\mu\text{g/l}$) |
|-----------|-------------|---|--|--|---|---|--|---------------------------------------|
| MW-1 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-1 | 04/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-1 | 03/28/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-1 | 02/23/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | -- | -- |
| MW-1 | 05/08/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | <50,000 | <1,000 |
| MW-2 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-2 | 04/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-2 | 10/10/00 | <5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-2 | 12/07/00 | <2 | <1.0 | <5 | <5 | <5 | <50,000 | <1,000 |
| MW-2 | 02/23/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | -- | -- |
| MW-2 | 05/08/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | <50,000 | <1,000 |
| MW-3 | 03/03/97 | 4.4 | -- | -- | -- | -- | -- | -- |
| MW-3 | 09/24/97 | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-3 | 04/08/98 | 7.5 | -- | -- | -- | -- | -- | -- |
| MW-3 | 10/07/98 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-3 | 03/16/99 | <0.5/<5 | 13,800/<100 | 150/<5 | <5/<5 | 213/<5 | -- | -- |
| MW-3 | 03/28/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-3 | 10/11/00 | <5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-3 | 02/23/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | -- | -- |
| MW-3 | 05/08/01 | <2.0 | <1.0 | <5.0 | <5.0 | <5.0 | <50,000 | <1,000 |
| MW-5 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-5 | 09/24/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-5 | 04/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-5 | 10/06/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-5 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-5 | 03/28/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-5 | 02/23/01 | Not Accessible | -- | -- | -- | -- | -- | -- |
| MW-5 | 05/08/01 | Not Accessible | -- | -- | -- | -- | -- | -- |
| MW-6 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-6 | 04/08/98 | <0.5 | -- | -- | -- | -- | -- | -- |

TABLE 2
 SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260) ($\mu\text{g/l}$) | TBA (8020/8260) ($\mu\text{g/l}$) | ETBE (8020/8260) ($\mu\text{g/l}$) | DPE (8020/8260) ($\mu\text{g/l}$) | TAME (8020/8260) ($\mu\text{g/l}$) | Methanol (8020) ($\mu\text{g/l}$) | Ethanol (8020) ($\mu\text{g/l}$) |
|-----------|-------------|---|--|---|--|---|--|---------------------------------------|
| MW-6 | 03/17/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-6 | 03/29/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-6 | 10/10/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-6 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <1,000 | -- |
| MW-6 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-6 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-7 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-7 | 04/08/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-7 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-8 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-8 | 04/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-8 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-8 | 10/11/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-8 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-8 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-8 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-9 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-9 | 04/08/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-9 | 03/16/99 | 5.6/-<5 | 12,400/-<100 | 122/-5 | <5/-<5 | 201/-5 | -- | -- |
| MW-9 | 03/28/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-10 | 03/03/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-10 | 04/08/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-10 | 03/16/99 | <0.5/-<5 | 319/-<100 | <5/-<5 | <5/-<5 | 7.9/-5 | -- | -- |
| MW-10 | 03/29/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-10 | 10/10/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-10 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-10 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-10 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-11 | 03/04/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/08/98 | 40 | -- | -- | -- | -- | -- | -- |
| MW-11 | 03/17/99 | <0.5/-<5 | 111,000/-<100 | 811/-5 | <5/-<5 | 530/-5 | -- | -- |

TABLE 2
SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES
FORTUNA MAINTENANCE STATION
FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260) (µg/l) | TBA (8020/8260) (µg/l) | ETBE (8020/8260) (µg/l) | DPE (8020/8260) (µg/l) | TAME (8020/8260) (µg/l) | Methanol (8020) (µg/l) | Ethanol (8020) (µg/l) |
|-----------|-------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------|
| MW-11 | 03/29/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-11 | 10/10/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-11 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-11 | 02/23/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-11 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-12 | 03/04/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/08/98 | 1 | -- | -- | -- | -- | -- | -- |
| MW-12 | 03/17/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-12 | 10/10/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-12 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-12 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-12 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-13 | 03/04/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-13 | 09/24/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/08/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-13 | 10/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-13 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-13 | 03/29/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-13 | 10/11/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-13 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-13 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-13 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |
| MW-14 | 03/04/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-14 | 09/24/97 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-14 | 10/07/98 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-14 | 03/16/99 | <0.5 | <200 | <5 | <5 | <5 | -- | -- |
| MW-14 | 03/28/00 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-14 | 10/11/00 | --<5 | --<200 | --<5 | --<5 | --<5 | -- | -- |
| MW-14 | 12/07/00 | --<2 | --<10 | --<5 | --<5 | --<5 | <50,000 | <1,000 |
| MW-14 | 02/22/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | -- | -- |
| MW-14 | 05/08/01 | --<2.0 | --<10 | --<5.0 | --<5.0 | --<5.0 | <50,000 | <1,000 |

TABLE 2
 SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260) ($\mu\text{g/l}$) | TBA (8020/8260) ($\mu\text{g/l}$) | ETBE (8020/8260) ($\mu\text{g/l}$) | DIPE (8020/8260) ($\mu\text{g/l}$) | TAME (8020/8260) ($\mu\text{g/l}$) | Methanol (8020) ($\mu\text{g/l}$) | Ethanol (8020) ($\mu\text{g/l}$) |
|-----------|-------------|---|--|---|---|---|--|---------------------------------------|
| MW-15 | 10/11/00 | -/-<5 | ---/-<200 | ---/-<5 | ---/-<5 | ---/-<5 | --- | --- |
| MW-15 | 12/07/00 | ---/->20 | ---/-<100 | ---/-<50 | ---/-<50 | ---/-<50 | <500,000 | <10,000 |
| MW-15 | 02/23/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | --- | --- |
| MW-15 | 05/08/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | <50,000 | <1,000 |
| MW-16 | 10/11/00 | ---/-<5 | ---/-<200 | ---/-<5 | ---/-<5 | ---/-<5 | --- | --- |
| MW-16 | 12/07/00 | ---/-<200 | ---/-<1,000 | ---/-<500 | ---/-<500 | ---/-<500 | <5,000,000 | <100,000 |
| MW-16 | 02/23/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | --- | --- |
| MW-16 | 05/08/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | <50,000 | <1,000 |
| DW-1 | 03/03/97 | <0.5 | --- | --- | --- | --- | --- | --- |
| DW-1 | 09/24/97 | <0.5 | --- | --- | --- | --- | --- | --- |
| DW-1 | 04/08/98 | 0.99 | --- | --- | --- | --- | --- | --- |
| DW-1 | 10/07/98 | <0.5 | --- | --- | --- | --- | --- | --- |
| DW-1 | 03/17/99 | <0.5 | >200 | <5 | <5 | <5 | --- | --- |
| DW-1 | 03/29/00 | <0.5 | --- | --- | --- | --- | --- | --- |
| DW-1 | 10/11/00 | ---/-<5 | ---/-<200 | ---/-<5 | ---/-<5 | ---/-<5 | --- | --- |
| DW-1 | 12/07/00 | ---/-<2 | ---/-<10 | ---/-<5 | ---/-<5 | ---/-<5 | <50,000 | <1,000 |
| DW-1 | 02/22/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | --- | --- |
| DW-1 | 05/08/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | <50,000 | <1,000 |
| PW-1 | 03/03/97 | <0.5 | --- | --- | --- | --- | --- | --- |
| PW-1 | 04/08/98 | 0.56 | --- | --- | --- | --- | --- | --- |
| PW-1 | 03/17/99 | <0.5 | >200 | <5 | 14 | --- | --- | --- |
| PW-1 | 03/29/00 | <0.5 | --- | --- | --- | --- | --- | --- |
| PW-1 | 10/10/00 | ---/-<5 | ---/-<200 | ---/-<5 | ---/-<5 | ---/-<5 | --- | --- |
| PW-1 | 12/07/00 | ---/-<2 | ---/-<10 | ---/-<5 | ---/-<5 | ---/-<5 | <50,000 | <1,000 |
| PW-1 | 02/23/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | --- | --- |
| PW-1 | 05/08/01 | ---/-<2.0 | ---/-<10 | ---/-<5.0 | ---/-<5.0 | ---/-<5.0 | <50,000 | <1,000 |

Notes:
 µg/l = Micrograms per liter
 --- = Not Analyzed

< = Less than laboratory test method detection limit
 MTBE = Methyl tert-butyl ether
 TBA = Tert-butanol
 ETBE = Ethyl tert-butyl ether
 DIPE = Di-isopropyl ether
 TAME = Tert-amyl methyl ether

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE | CARBON DIOXIDE (µg/l) | METHANE (µg/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-1 | 02/23/01 | 130,000 | 470 | 0.154 | 0.036 | <1.0 | 80 | <0.050 | <10 | <3.0 | 8.1 |
| MW-1 | 05/08/01 | 65,000 | 290 | 0.186 | 0.054 | 9.65 | 76 | 0.378 | <10 | <3.0 | — |
| MW-1 | 09/26/01 | 63,000 | 910 | 0.133 | 0.093 | <50 | 76 | <2.5 | 16 | <3.0 | 6.0 |
| MW-1 | 12/12/01 | 140,000 | 820 | 0.226 | <0.015 | 11.7 | 44 | 4.40 | <10 | 4.2 | 2.70 |
| MW-1 | 03/12/02 | 170,000 | 456 | 0.123 | <0.015 | 10.0 | 58 | 1.60 | 23 | <3.0 | 1.32 |
| MW-1 | 05/21/02 | 89,000 | 1,870 | <0.10 | <0.015 | 54.0 | 72 | 7.60 | 11 | <3.0 | 2.12 |
| MW-1 | 08/28/02 | 103,000 | 1,740 | 3.7 | 0.034 | 14.0 | 64 | 5.70 | 60 | <3.0 | 0.29 |
| MW-1 | 11/20/02 | 55,800 | 1,170 | 0.33 | <0.015 | 12.0 | 60 | 2.10 | 14 | <3.0 | 1.56 |
| MW-1 | 02/18/03 | — | — | — | — | — | — | — | — | — | 4.99 |
| MW-1 | 05/13/03 | 90,000 | 2,000 | <0.10 | <0.015 | 11.0 | 80 | <0.050 | 19 | <3.0 | 0.56 |
| MW-1 | 08/19/03 | — | — | — | — | — | — | — | — | — | — |
| MW-1 | 11/19/03 | 101,000 | 2,400 | <0.10 | 0.069 | 8.5 | 90 | 1.0 | <10 | <3.0 | 0.79 |
| MW-1 | 03/03/04 | — | — | — | — | — | — | — | — | — | — |
| MW-1 | 04/28/04 | 74,000 | 1,000 | <0.10 | <0.015 | 28.0 | 96 | <0.050 | 22 | <3.0 | 0.67 |
| MW-1 | 09/16/04 | — | — | <0.50 | <0.50 | 15 | 100 | 0.75 | 19 | <5.0 | 0.00 |
| MW-1 | 02/10/05 | 53,000 | <1.0 | <0.50 | <0.50 | 15 | 64 | 0.62 | 24 | <5.0 | 1.71 |
| MW-1 | 05/12/05 | 49,000 | <1.0 | <0.50 | <0.50 | 18 | 72 | 0.70 | 22 | <5.0 | 0.45 |
| MW-2 | 10/10/00 | 160,000 | 475 | 31 | 2.2 | 6.3 | 200 | <0.5 | 12 | <5 | 2.8 |
| MW-2 | 12/07/00 | — | — | 40 | 3.1 | 3.94 | 46 | 0.124 | 35 | 3.3 | 19.3 |
| MW-2 | 02/23/01 | 240,000 | 360 | 0.2 | 0.043 | 4.93 | 130 | 0.298 | <10 | 3.5 | 2.9 |
| MW-2 | 05/08/01 | 140,000 | 510 | 19.8 | 1.33 | 5.06 | 120 | 0.560 | <10 | 3.7 | — |
| MW-2 | 09/26/01 | 190,000 | 150 | 17.8 | 1.93 | 5.86 | 116 | 1.43 | 20 | <3.0 | 5.0 |
| MW-2 | 12/12/01 | 200,000 | 201 | 2.00 | 1.84 | 4.90 | 168 | 1.10 | <10 | 3.6 | 0.68 |
| MW-2 | 03/12/02 | 180,000 | 241 | 3.80 | 2.50 | 2.50 | 198 | 1.50 | 29 | 7.6 | 1.07 |
| MW-2 | 05/21/02 | 210,000 | 268 | <0.10 | 0.041 | 4.10 | 146 | 1.10 | 25 | <3.0 | 1.81 |
| MW-2 | 08/28/02 | 180,000 | 358 | 0.14 | 1.3 | 4.60 | 134 | 0.990 | 44 | <3.0 | 0.73 |
| MW-2 | 11/20/02 | 106,000 | 133 | 0.50 | 1.0 | 4.70 | 116 | 1.00 | 10 | <3.0 | 1.21 |
| MW-2 | 02/18/03 | — | — | — | — | — | — | — | — | — | 1.58 |
| MW-2 | 05/13/03 | 176,000 | 241 | 5.24 | 1.63 | 3.76 | 156 | <0.050 | 21 | <3.0 | 0.23 |
| MW-2 | 08/19/03 | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 11/19/03 | 211,000 | 288 | 4.23 | 1.62 | 4.5 | 96 | 1.1 | 40 | <3.0 | 0.79 |
| MW-2 | 03/03/04 | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 04/28/04 | 70,000 | 100 | 0.381 | 1.54 | 4.20 | 130 | <0.050 | 22 | <3.0 | 0.53 |
| MW-2 | 09/16/04 | — | — | 24 | 2.0 | 8.4 | 98 | 0.53 | 32 | <5.0 | 0.00 |
| MW-2 | 02/10/05 | 180,000 | 450 | 31 | 1.9 | 7.2 | 110 | 0.45 | 58 | <5.0 | 0.00 |
| MW-2 | 05/12/05 | 150,000 | 430 | 27 | 1.7 | 8.6 | 110 | 0.71 | 19 | <5.0 | 0.00 |

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | CARBON DIOXIDE (µg/l) | METHANE (µg/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-----------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-3 | 10/11/00 | 108,000 | 49 | 6.8 | 0.58 | <0.5 | 220 | <0.5 | 17 | <5 | 0.08 |
| MW-3 | 02/23/01 | 180,000 | 430 | 0.253 | 0.072 | 1.52 | 220 | 0.62 | <10 | <3.0 | 51.2 |
| MW-3 | 05/08/01 | 190,000 | 260 | 6.28 | 0.838 | 1.79 | 190 | <0.05 | 15 | <3.0 | --- |
| MW-3 | 09/26/01 | 180,000 | 200 | 7.08 | 0.986 | 1.12 | 212 | <0.05 | 27 | <3.0 | 6.0 |
| MW-3 | 12/12/01 | 150,000 | 250 | 0.426 | 1.03 | 15.1 | 190 | 1.20 | 37 | 3.5 | 0.61 |
| MW-3 | 03/12/02 | 180,000 | 209 | <0.10 | 1.20 | 4.20 | 208 | 1.20 | 25 | 5.6 | 0.96 |
| MW-3 | 05/21/02 | 190,000 | 242 | <0.10 | 1.20 | 3.10 | 222 | <0.050 | 13 | <3.0 | 1.97 |
| MW-3 | 08/28/02 | 200,000 | 342 | 0.12 | 0.57 | 1.50 | 220 | <0.050 | 32 | <3.0 | 0.47 |
| MW-3 | 11/20/02 | 110,000 | 143 | 0.44 | 0.62 | 5.97 | 188 | <0.050 | 14 | <3.0 | 1.07 |
| MW-3 | 02/18/03 | 37,000 | 709 | 1.83 | 0.431 | 3.80 | 144 | <0.050 | 43 | <3.0 | 0.47 |
| MW-3 | 05/13/03 | 156,000 | 211 | 0.131 | 0.717 | <1.0 | 196 | <0.050 | 23 | 5.0 | 0.19 |
| MW-3 | 08/19/03 | 27,800 | 1,010 | 3.34 | 0.769 | 1.33 | 201 | 0.61 | <10 | <3.0 | 0.86 |
| MW-3 | 11/19/03 | 187,000 | 225 | <0.10 | 1.02 | 4.00 | 218 | <0.050 | 16 | <3.0 | 0.7 |
| MW-3 | 03/03/04 | 88,000 | 144 | 23.0 | 1.17 | 2.10 | 186 | <0.050 | 28 | <3.0 | 0.91 |
| MW-3 | 04/28/04 | 71,000 | 100 | <0.10 | 1.04 | 2.20 | 204 | <0.050 | 29 | <3.0 | 0.56 |
| MW-3 | 09/16/04 | --- | --- | 4.9 | 0.77 | 3.3 | 200 | 0.38 | 22 | <5.0 | 0.00 |
| MW-3 | 02/10/05 | 160,000 | <1.0 | 3.8 | 1.2 | 3.4 | 200 | 0.42 | 62 | <5.0 | 0.00 |
| MW-3 | 05/12/05 | 180,000 | 97 | 7.8 | 1.2 | 4.0 | 210 | 0.64 | 22 | <5.0 | 0.00 |
| MW-5 | 09/26/01 | 97,000 | <10 | <0.10 | 0.623 | 15.8 | 116 | <0.50 | 16 | <3.0 | 5.0 |
| MW-5 | 12/12/01 | 130,000 | <10 | <0.10 | 0.023 | 13.9 | 106 | 1.0 | <10 | <3.0 | 2.22 |
| MW-5 | 03/12/02 | 120,000 | <10 | <0.10 | 0.031 | 15.3 | 134 | 0.96 | 14 | <3.0 | 0.90 |
| MW-5 | 05/21/02 | 92,000 | <10 | <0.10 | <0.015 | 13 | 126 | <0.050 | <10 | <3.0 | 2.55 |
| MW-5 | 08/28/02 | 99,000 | <10 | <0.10 | <0.015 | 8.4 | 150 | <0.050 | <10 | <3.0 | 0.34 |
| MW-5 | 11/20/02 | 51,100 | <10 | <0.10 | <0.015 | 8.0 | 140 | <0.050 | <10 | <3.0 | 1.38 |
| MW-5 | 02/18/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3.53 |
| MW-5 | 05/13/03 | 107,000 | <10 | <0.10 | <0.015 | 9.14 | 140 | <0.050 | 13 | <3.0 | 0.36 |
| MW-5 | 08/19/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-5 | 11/19/03 | 85,000 | <10 | <0.10 | <0.015 | 9.9 | 140 | <0.050 | <10 | <3.0 | 1.21 |
| MW-5 | 03/03/04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-5 | 04/28/04 | 42,000 | <10 | <0.10 | <0.015 | 11 | 134 | <0.050 | 11 | <3.0 | 1.08 |
| MW-5 | 09/16/04 | --- | --- | <0.50 | <0.50 | 12 | 130 | 1.1 | 7.7 | <5.0 | 0.00 |
| MW-5 | 02/10/05 | 100,000 | 1.8 | <0.50 | <0.50 | 13 | 140 | 0.36 | 30 | <5.0 | 1.73 |
| MW-5 | 05/12/05 | 100,000 | 4.0 | <0.50 | <0.50 | 13 | 140 | 0.63 | 6.7 | <5.0 | 1.70 |
| MW-6 | 10/10/00 | 72,600 | 3.5 | 0.26 | 0.25 | 16 | 140 | <0.5 | <5 | 6.0 | --- |
| MW-6 | 12/07/00 | --- | --- | 1.5 | 0.083 | 17.1 | 62 | 2.08 | 192 | <3.0 | 16.3 |
| MW-6 | 02/22/01 | 110,000 | <10 | 0.184 | 0.193 | 17.7 | 46 | <0.050 | <10 | <3.0 | 14.2 |

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID. | DATE | CARBON DIOXIDE ($\mu\text{g/l}$) | METHANE ($\mu\text{g/l}$) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|------------|----------|------------------------------------|-----------------------------|------------------------|-----------------------------|---------------------------|------------------------------|---------------------------|-----------------------|-----------------------|----------------------|
| MW-6 | 05/08/01 | 120,000 | 11 | <0.10 | 0.160 | 367 | 270 | 3.22 | 10 | <3.0 | — |
| MW-6 | 09/26/01 | 190,000 | <10 | <0.10 | 0.755 | 15.2 | 232 | <0.50 | <10 | <3.0 | 5.0 |
| MW-6 | 12/12/01 | 140,000 | <10 | <0.10 | 0.416 | 19.3 | 432 | 1.20 | <10 | <3.0 | 0.96 |
| MW-6 | 03/12/02 | 220,000 | <10 | <0.10 | <0.015 | 21 | 328 | 4.67 | 16 | <3.0 | 0.86 |
| MW-6 | 05/21/02 | 180,000 | <10 | <0.10 | <0.015 | 18 | 278 | 4.20 | <10 | <3.0 | 1.91 |
| MW-6 | 08/28/02 | 174,000 | <10 | <0.10 | 0.22 | 16 | 400 | 1.40 | <10 | <3.0 | 0.41 |
| MW-6 | 11/20/02 | 114,000 | <10 | 0.15 | 0.56 | 12 | 360 | 1.16 | 21 | <3.0 | 1.48 |
| MW-6 | 02/18/03 | 78,000 | <10 | 0.144 | <0.015 | 20.8 | 336 | 4.76 | 16 | <3.0 | 0.57 |
| MW-6 | 05/13/03 | 200,000 | <10 | <0.10 | <0.015 | 15.4 | 228 | 5.81 | 15 | <3.0 | 0.29 |
| MW-6 | 08/19/03 | 35,700 | 21 | <0.10 | 0.02 | 15.8 | 276 | 2.13 | <10 | <3.0 | 0.78 |
| MW-6 | 11/19/03 | 189,000 | <10 | <0.10 | 0.13 | 26.5 | 322 | <0.50 | 1.6 | <3.0 | 0.67 |
| MW-6 | 03/03/04 | 120,000 | <10 | <0.10 | <0.015 | 13.7 | 180 | <0.50 | <10 | 10 | 1.08 |
| MW-6 | 04/28/04 | 81,000 | <10 | <0.10 | <0.015 | 15 | 240 | 2.60 | 18 | <3.0 | 0.60 |
| MW-6 | 09/16/04 | — | — | <0.50 | 0.97 | 15 | 310 | 0.50 | 12 | <5.0 | 0.00 |
| MW-6 | 02/10/05 | 79,000 | <1.0 | <0.50 | <0.50 | 19 | 340 | 1.3 | 19 | <5.0 | 0.00 |
| MW-6 | 05/12/05 | 54,000 | <1.0 | <0.50 | <0.50 | 22 | 260 | 1.5 | 20 | <5.0 | 0.00 |
| MW-8 | 10/11/00 | 98,500 | <1.0 | 1.1 | <0.05 | <0.5 | 110 | <0.5 | 13 | 9.0 | 3.2 |
| MW-8 | 12/07/00 | — | — | <0.10 | <0.015 | 21.6 | 40 | 2.79 | <10 | <3.0 | 16.3 |
| MW-8 | 02/22/01 | 100,000 | <10 | 1.59 | 0.030 | 18.2 | 42 | 3.52 | <10 | <3.0 | 10.6 |
| MW-8 | 05/08/01 | 100,000 | <10 | 0.395 | 0.040 | 17.8 | 44 | 5.72 | <10 | <3.0 | — |
| MW-8 | 09/26/01 | 100,000 | <10 | <0.10 | 0.017 | 16 | 44 | 8.93 | <10 | <3.0 | 5.0 |
| MW-8 | 12/12/01 | 110,000 | <10 | 0.291 | <0.015 | 18.8 | 40 | 12.4 | 35 | <3.0 | 2.52 |
| MW-8 | 03/12/02 | 130,000 | <10 | <0.10 | <0.015 | 16 | 38 | 15.0 | <10 | <3.0 | 1.01 |
| MW-8 | 05/21/02 | 100,000 | <10 | <0.10 | <0.015 | 16 | 52 | 14.0 | 18 | <3.0 | 2.01 |
| MW-8 | 08/28/02 | 100,000 | <10 | 0.11 | <0.015 | 18 | 56 | 12.0 | 20 | <3.0 | 0.14 |
| MW-8 | 11/20/02 | 45,200 | <10 | 0.13 | <0.015 | 17 | 46 | 10.0 | <10 | <3.0 | 1.36 |
| MW-8 | 02/18/03 | — | — | — | — | — | — | — | — | — | 2.94 |
| MW-8 | 05/13/03 | 93,000 | <10 | <0.10 | <0.015 | 17.8 | 40 | 8.84 | 15 | <3.0 | 0.20 |
| MW-8 | 08/19/03 | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 11/19/03 | 111,000 | <10 | 0.143 | <0.015 | 32 | 40 | 16 | 12 | <3.0 | 0.5 |
| MW-8 | 03/03/04 | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 04/28/04 | 48,000 | <10 | <0.10 | <0.015 | 19 | 40 | 12 | 14 | <3.0 | 1.42 |
| MW-8 | 09/16/04 | — | — | <0.50 | <0.50 | 21 | 38 | 2.4 | 15 | <5.0 | 1.4 |
| MW-8 | 02/10/05 | 110,000 | <1.0 | <0.50 | <0.50 | 21 | 43 | 2.2 | 23 | <5.0 | 0.83 |
| MW-8 | 05/12/05 | 100,000 | <1.0 | 0.54 | <0.50 | 22 | 39 | 2.7 | <5.0 | <5.0 | 1.48 |

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE | CARBON DIOXIDE (µg/l) | METHANE (µg/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-10 | 10/10/00 | 241,000 | 18 | 0.61 | 0.67 | 7.0 | 170 | <0.5 | <5 | <5 | 3.4 |
| MW-10 | 12/07/00 | --- | --- | 3.0 | 0.42 | 6.53 | 124 | <0.050 | 86 | <3.0 | 19.3 |
| MW-10 | 02/22/01 | 26,000 | <10 | 3.96 | 0.091 | 3.28 | 30 | <0.050 | <10 | <3.0 | --- |
| MW-10 | 05/08/01 | 95,000 | <10 | 0.344 | 0.327 | 5.65 | 68 | 0.092 | <10 | <3.0 | --- |
| MW-10 | 09/26/01 | 110,000 | <10 | 1.52 | 0.229 | 10 | 112 | <0.050 | 39 | <3.0 | 6.0 |
| MW-10 | 12/12/01 | 120,000 | <10 | <0.10 | 0.270 | 8.30 | 88 | 0.900 | <10 | <3.0 | 3.18 |
| MW-10 | 03/12/02 | 120,000 | <10 | <0.10 | 0.405 | 6.96 | 112 | 2.26 | 11 | <3.0 | 0.79 |
| MW-10 | 05/21/02 | 96,000 | <10 | <0.10 | 0.670 | 7.70 | 126 | <0.050 | 32 | <3.0 | 2.21 |
| MW-10 | 08/28/02 | 98,000 | <10 | <0.10 | 0.49 | 8.00 | 140 | <0.050 | <10 | <3.0 | 0.48 |
| MW-10 | 11/20/02 | 48,200 | <10 | 0.12 | 0.32 | 7.10 | 96 | 1.13 | 15 | <3.0 | 1.31 |
| MW-10 | 02/18/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.77 |
| MW-10 | 05/13/03 | 100,000 | <10 | <0.10 | 0.201 | 7.29 | 102 | <0.050 | 15 | <3.0 | 0.27 |
| MW-10 | 08/19/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-10 | 11/19/03 | 123,000 | <10 | <0.10 | 0.420 | 9.2 | 134 | 1.30 | 19 | <3.0 | 0.62 |
| MW-10 | 03/03/04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-10 | 04/28/04 | 44,000 | <10 | <0.10 | 0.259 | 5.6 | 80 | 0.800 | 24 | <3.0 | 0.82 |
| MW-10 | 09/16/04 | --- | --- | 1.1 | 0.56 | 10 | 110 | 0.84 | 48 | <5.0 | 0.00 |
| MW-10 | 02/10/05 | 110,000 | 12 | 0.97 | 0.53 | 5.6 | 66 | 0.40 | 45 | <5.0 | 0.00 |
| MW-10 | 05/12/05 | 260,000 | <1.0 | <0.50 | 0.75 | 11 | 120 | 0.49 | 8.5 | <5.0 | 0.00 |
| MW-11 | 10/10/00 | 238,000 | 170 | 2.4 | 1.2 | 0.6 | 210 | <0.5 | <5 | 5.0 | 0.52 |
| MW-11 | 12/07/00 | --- | 236 | 5.7 | 72.1 | 368 | 0.157 | 64 | 3.6 | 15.2 | --- |
| MW-11 | 02/23/01 | 350,000 | 110 | 2.06 | 1.2 | <1.0 | 236 | <0.050 | <10 | 5.3 | 41.2 |
| MW-11 | 05/08/01 | 190,000 | 110 | 1.91 | 1.12 | <1.0 | 210 | <0.050 | 10 | <3.0 | --- |
| MW-11 | 09/26/01 | 170,000 | 330 | 0.807 | 0.998 | <1.0 | 180 | <0.050 | 18 | 3.1 | 3.0 |
| MW-11 | 12/12/01 | 170,000 | 280 | <0.10 | 0.330 | 3.30 | 122 | 1.00 | <10 | <3.0 | 0.94 |
| MW-11 | 03/12/02 | 130,000 | 186 | <0.10 | 0.950 | 1.46 | 204 | 1.37 | 29 | 7.4 | 0.88 |
| MW-11 | 05/21/02 | 180,000 | 429 | <0.10 | 1.1 | 1.50 | 212 | <0.050 | 22 | 4.7 | 1.98 |
| MW-11 | 08/28/02 | 175,000 | 433 | <0.10 | 0.53 | 5.40 | 120 | 4.10 | 34 | 5.5 | 0.54 |
| MW-11 | 11/20/02 | 102,000 | 258 | 0.80 | 0.51 | 3.50 | 104 | 3.60 | 13 | <3.0 | 1.54 |
| MW-11 | 02/18/03 | 65,000 | 191 | 5.91 | 0.674 | 2.33 | 194 | <0.050 | 24 | <3.0 | 1.91 |
| MW-11 | 05/13/03 | 190,000 | 513 | 0.139 | 0.756 | 2.00 | 196 | <0.050 | 28 | 8.0 | 0.18 |
| MW-11 | 08/19/03 | 51,400 | 586 | <0.10 | 0.529 | 5.90 | 110 | 2.00 | <10 | 7.2 | 0.88 |
| MW-11 | 11/19/03 | 130,000 | 405 | <0.10 | 0.352 | 9.10 | 116 | 1.10 | 11 | <3.0 | 0.74 |
| MW-11 | 03/03/04 | 210,000 | 515 | <0.10 | 0.840 | 2.40 | 182 | <0.050 | 41 | <3.0 | 0.97 |
| MW-11 | 04/28/04 | 75,000 | 300 | 0.473 | 0.958 | 1.90 | 208 | <0.050 | 32 | 3.1 | 0.68 |
| MW-11 | 09/17/04 | --- | --- | 0.98 | 0.95 | 3.3 | 190 | 0.45 | 23 | <5.0 | 0.00 |

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
FORTUNA MAINTENANCE STATION
FORTUNA, CALIFORNIA

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID. | DATE | CARBON DIOXIDE ($\mu\text{g/l}$) | METHANE ($\mu\text{g/l}$) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|------------|----------|------------------------------------|-----------------------------|------------------------|-----------------------------|---------------------------|------------------------------|---------------------------|-----------------------|-----------------------|----------------------|
| MW-13 | 04/28/04 | 174,000 | <10 | <0.10 | <0.015 | 8.80 | 84 | 1.50 | 16 | <3.0 | 0.43 |
| MW-13 | 09/16/04 | --- | --- | 4.1 | <0.50 | 17 | 63 | 1.4 | 39 | <5.0 | 0.00 |
| MW-13 | 02/10/05 | 290,000 | <1.0 | 1.6 | <0.50 | 11 | 110 | 0.69 | 31 | <5.0 | 0.97 |
| MW-13 | 05/12/05 | 280,000 | <1.0 | <0.50 | <0.50 | 13 | 93 | 0.90 | 19 | <5.0 | 0.00 |
| MW-14 | 10/11/00 | 288,000 | <1.0 | 2.8 | 0.085 | 16 | 100 | 0.76 | 15 | 7.0 | 0.41 |
| MW-14 | 12/07/00 | --- | --- | 24 | 0.26 | 11.8 | 82 | 2.82 | 75 | <3.0 | 19.21 |
| MW-14 | 02/22/01 | 89,000 | <10 | 0.997 | 0.019 | 14.7 | 20 | 20 | <10 | <3.0 | 23.6 |
| MW-14 | 05/08/01 | 120,000 | <10 | 2.52 | 0.062 | 13.3 | 14 | 1.2 | 15 | <3.0 | --- |
| MW-14 | 09/26/01 | 100,000 | <10 | <0.10 | 0.024 | 12.9 | 22 | 6.17 | 16 | <3.0 | 6.0 |
| MW-14 | 12/12/01 | 100,000 | <10 | 0.119 | <0.015 | 13.3 | 18 | 22.4 | 60 | <3.0 | 2.99 |
| MW-14 | 03/12/02 | 120,000 | <10 | <0.10 | 0.016 | 13.8 | 16 | 17.5 | 52 | <3.0 | 1.12 |
| MW-14 | 05/21/02 | 100,000 | <10 | <0.10 | <0.015 | 12.0 | 28 | 14 | <10 | <3.0 | 1.86 |
| MW-14 | 08/28/02 | 110,000 | <10 | <0.10 | <0.015 | 12.0 | 40 | 8.50 | <10 | <3.0 | 0.17 |
| MW-14 | 11/20/02 | 52,500 | <10 | <0.10 | <0.015 | 11.0 | 30 | 7.30 | <10 | <3.0 | 1.03 |
| MW-14 | 02/18/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3.09 |
| MW-14 | 05/13/03 | 83,000 | <10 | 0.103 | 0.020 | 15.0 | <2.0 | 9.99 | <10 | <3.0 | 0.35 |
| MW-14 | 08/19/03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-14 | 11/19/03 | 154,000 | <10 | <0.10 | <0.015 | 13 | 24 | 8.1 | <10 | <3.0 | 0.63 |
| MW-14 | 03/03/04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-14 | 04/28/04 | <1,000 | <10 | <0.10 | <0.015 | 14.0 | 12 | 11.0 | 22 | <3.0 | 0.68 |
| MW-14 | 09/16/04 | --- | --- | <0.50 | <0.50 | 17 | 25 | 2.4 | 13 | <5.0 | 1.5 |
| MW-14 | 02/10/05 | 140,000 | <1.0 | 6.1 | <0.50 | 18 | 16 | 1.6 | 16 | <5.0 | 0.71 |
| MW-14 | 05/12/05 | 100,000 | <1.0 | 0.52 | <0.50 | 17 | 17 | 3.5 | 15 | <5.0 | 0.05 |
| MW-15 | 10/11/00 | 19,100 | 92 | 362 | 8.5 | 78 | 530 | 0.71 | 40 | <5 | 0.21/0.18 |
| MW-15 | 12/07/00 | --- | 39 | 5.9 | 98.8 | 11.5 | 0.086 | 16 | <3.0 | 18.7 | |
| MW-15 | 02/23/01 | 39,000 | <10 | 2.01 | 1.2 | 7.79 | 404 | <0.050 | 72 | 4.9 | 72.6 |
| MW-15 | 05/08/01 | 28,000 | 75 | 0.298 | 0.938 | 79.2 | 420 | <0.050 | 72 | 4.4 | --- |
| MW-15 | 09/26/01 | 31,000 | 77 | 0.13 | 0.66 | 55.0 | 516 | 2.95 | 70 | <3.0 | 5.0 |
| MW-15 | 12/12/01 | 59,000 | 33 | <0.10 | 0.398 | 90.8 | 558 | 1.50 | 74 | <3.0 | 0.63 |
| MW-15 | 03/12/02 | 70,000 | 111 | 0.185 | 0.567 | 47.0 | 644 | 7.94 | 250 | 4.7 | 1.08 |
| MW-15 | 05/21/02 | 57,000 | 173 | <0.10 | 0.65 | 26.0 | 656 | <0.050 | 130 | 5.6 | 1.94 |
| MW-15 | 08/28/02 | 54,000 | 128 | 1.2 | 0.22 | 31.0 | 630 | <0.050 | 48 | 6.8 | 0.31 |
| MW-15 | 11/20/02 | 24,300 | <10 | 0.22 | 0.67 | 49.0 | 584 | <0.050 | 15 | <3.0 | 1.37 |
| MW-15 | 02/18/03 | 18,000 | 34 | 1.76 | 0.593 | 44.0 | 656 | <0.050 | 25 | <3.0 | 0.55 |
| MW-15 | 05/13/03 | 42,000 | 102 | 0.120 | 0.811 | 18.8 | 582 | <0.050 | 22 | <3.0 | 0.41 |
| MW-15 | 08/19/03 | 1,000 | 66 | <0.10 | 0.733 | 25.3 | 596 | 0.58 | 33 | <3.0 | 0.89 |

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE | CARBON DIOXIDE ($\mu\text{g/l}$) | METHANE ($\mu\text{g/l}$) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-----------|----------|------------------------------------|-----------------------------|------------------------|-----------------------------|---------------------------|------------------------------|---------------------------|-----------------------|-----------------------|----------------------|
| MW-15 | 11/19/03 | 50,000 | 76 | <0.10 | 0.989 | 49 | 604 | <0.050 | 42 | <3.0 | 0.24 |
| MW-15 | 03/03/04 | 48,000 | 111 | <0.10 | 0.810 | 27.0 | 568 | <0.25 | 10 | <3.0 | 0.68 |
| MW-15 | 04/28/04 | 22,000 | 60 | <0.10 | 0.754 | 7.00 | 512 | <0.050 | 28 | <3.0 | 0.54 |
| MW-15 | 09/16/04 | -- | -- | 47 | 2.1 | 24 | 560 | 0.49 | 76 | <5.0 | 0.00 |
| MW-15 | 02/10/05 | 38,000 | <1.0 | <0.50 | 1.0 | 34 | 580 | 0.44 | 34 | <5.0 | 0.00 |
| MW-15 | 05/12/05 | 36,000 | <1.0 | 1.7 | 1.0 | 13 | 490 | 0.61 | 17 | <5.0 | 0.00 |
| MW-16 | 10/11/00 | 127,000 | 36 | 6.2 | 0.2 | <0.5 | 260 | 0.81 | 44 | 13 | 2.86/3.5 |
| MW-16 | 12/07/00 | -- | -- | 13 | 1.8 | 3.71 | 350 | <0.050 | 199 | 28 | 21.6 |
| MW-16 | 02/23/01 | 620,000 | 830 | 12.1 | 1.58 | <1.0 | 242 | <0.050 | 64 | 23 | 33.5 |
| MW-16 | 05/08/01 | 400,000 | 270 | 6.76 | 1.09 | <1.0 | 232 | <0.050 | 64 | 12 | -- |
| MW-16 | 09/26/01 | 420,000 | <10 | 3.72 | 1.23 | <1.0 | 272 | <0.050 | 134 | 18 | 5.0 |
| MW-16 | 12/12/01 | 480,000 | <10 | 1.63 | 0.652 | 2.60 | 252 | 5.70 | 47 | 5.2 | 0.84 |
| MW-16 | 03/12/02 | 470,000 | <10 | 0.137 | 1.31 | <1.0 | 238 | 5.00 | 137 | 19 | 1.21 |
| MW-16 | 05/21/02 | 440,000 | <10 | <0.10 | 1.5 | 1.20 | 254 | 4.90 | 200 | 19 | 1.61 |
| MW-16 | 08/28/02 | 460,000 | <10 | <0.10 | 0.93 | <1.0 | 260 | <0.050 | 97 | 24 | 0.21 |
| MW-16 | 11/20/02 | 283,000 | <10 | 0.60 | 0.67 | <1.0 | 252 | <0.050 | 59 | <3.0 | 1.48 |
| MW-16 | 02/18/03 | 185,000 | <10 | 4.18 | 0.736 | 1.20 | 254 | 4.40 | 78 | <3.0 | 0.25 |
| MW-16 | 05/13/03 | 482,000 | <10 | 4.26 | 1.51 | <1.0 | 268 | <0.050 | 143 | <3.0 | 0.48 |
| MW-16 | 08/19/03 | 79,700 | 40 | 2.11 | 1.51 | <1.0 | 261 | 0.76 | 100 | <3.0 | 0.91 |
| MW-16 | 11/19/03 | 354,000 | <10 | 3.69 | 1.11 | <1.0 | 260 | 4.3 | 131 | 13 | 0.49 |
| MW-16 | 03/03/04 | 410,000 | <10 | 1.30 | 1.27 | <1.0 | 264 | <0.050 | 125 | 9.0 | 0.83 |
| MW-16 | 04/28/04 | 210,000 | <10 | 5.46 | 1.60 | <1.0 | 266 | <0.050 | 188 | 16 | 0.52 |
| MW-16 | 02/10/05 | 390,000 | 410 | 9.2 | 1.8 | 2.8 | 290 | 0.35 | 120 | 25 | 0.00 |
| MW-16 | 05/12/05 | 450,000 | 480 | 18 | 2.2 | 3.4 | 310 | 0.45 | 100 | <5.0 | 0.00 |
| DW-1 | 10/11/00 | 119 | 10 | 0.88 | 0.083 | <0.5 | 170 | <0.5 | 20 | 8.0 | -- |
| DW-1 | 12/07/00 | -- | -- | 0.11 | <0.015 | 4.84 | 192 | <0.050 | 195 | 7.6 | 19.8 |
| DW-1 | 02/22/01 | 1,100 | <10 | 1.21 | 0.12 | 4.02 | 68 | 0.05 | <10 | <3.0 | 13.5 |
| DW-1 | 05/08/01 | 11,000 | 33 | 0.479 | 0.741 | <1.0 | 130 | <0.050 | <10 | 6.5 | -- |
| DW-1 | 09/26/01 | 14,000 | 88 | <0.10 | 0.361 | 1.48 | 220 | <0.050 | 20 | <3.0 | 4.0 |
| DW-1 | 12/12/01 | 14,000 | 75 | 0.183 | 0.042 | 2.90 | 30 | 1.30 | <10 | <3.0 | 2.98 |
| DW-1 | 03/12/02 | <1,000 | <10 | <0.10 | <0.015 | 3.82 | 90 | <0.050 | 16 | <3.0 | 0.76 |
| DW-1 | 05/21/02 | 37,000 | 125 | <0.10 | 0.79 | 2.90 | 148 | 1.00 | <10 | <3.0 | 1.94 |
| DW-1 | 08/28/02 | 69,000 | 108 | <0.10 | 1.0 | <1.0 | 200 | <0.050 | <10 | <3.0 | 0.54 |
| DW-1 | 11/20/02 | 16,900 | 59 | 0.19 | 0.65 | 4.80 | 124 | <0.050 | 10 | <3.0 | 0.97 |
| DW-1 | 02/18/03 | 12,000 | 44 | 0.431 | 0.780 | 3.30 | 146 | <0.050 | 12 | <3.0 | 0.66 |
| DW-1 | 05/13/03 | 36,000 | 83 | <0.10 | 0.063 | 3.29 | 88 | <0.050 | 17 | <3.0 | 0.41 |
| DW-1 | 08/19/03 | 4,700 | 88 | <0.10 | 0.592 | 1.55 | 88 | <0.050 | <10 | <3.0 | 0.97 |

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA
 FORTUNA MAINTENANCE STATION
 FORTUNA, CALIFORNIA

| SAMPLE ID. | DATE | CARBON DIOXIDE ($\mu\text{g/l}$) | METHANE ($\mu\text{g/l}$) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|------------|----------|------------------------------------|-----------------------------|------------------------|-----------------------------|---------------------------|------------------------------|---------------------------|-----------------------|-----------------------|----------------------|
| DW-1 | 11/19/03 | 52,000 | 69 | <0.10 | 0.260 | 4.00 | 88 | <0.050 | 11 | <3.0 | 0.35 |
| DW-1 | 03/03/04 | 29,000 | 72 | <0.10 | 0.300 | 3.70 | 92 | <0.050 | 28 | <3.0 | 0.86 |
| DW-1 | 04/28/04 | 23,000 | 40 | <0.10 | 0.211 | 4.10 | 78 | <0.050 | 16 | <3.0 | 0.41 |
| DW-1 | 09/16/04 | --- | --- | <0.50 | <0.50 | 4.9 | 83 | 0.45 | 22 | <5.0 | 0.00 |
| DW-1 | 02/10/05 | 75,000 | <1.0 | <0.50 | <0.50 | 5.0 | 92 | 0.40 | 27 | <5.0 | 0.00 |
| DW-1 | 05/12/05 | 5,900 | <1.0 | <0.50 | <0.50 | 7.5 | 85 | 0.65 | 8.6 | <5.0 | 0.00 |
| PW-1 | 10/10/00 | 393,000 | 8.2 | 1.1 | 120 | 190 | 0.52 | 15 | <5 | 0.16 | 29.6 |
| PW-1 | 12/07/00 | --- | 33 | 0.8 | 65.2 | 70 | 1,190 | <10 | <3.0 | 5.8 | 9.7 |
| PW-1 | 02/23/01 | 120,000 | 520 | 17.8 | 0.763 | 8.70 | 160 | 0.510 | <10 | --- | --- |
| PW-1 | 05/08/01 | 120,000 | 560 | 14.5 | 0.658 | 8.34 | 210 | 0.300 | <10 | 39 | 4.4 |
| PW-1 | 09/26/01 | 110,000 | 100 | 53.6 | 1.27 | 6.64 | 280 | <0.10 | 39 | 4.4 | 5.0 |
| PW-1 | 12/12/01 | 130,000 | 130 | 6.27 | 0.787 | 15.2 | 160 | 1.50 | <10 | 3.8 | 0.89 |
| PW-1 | 03/12/02 | 90,000 | 145 | <0.10 | 0.666 | 13.2 | 208 | 2.00 | 29 | 4.5 | 0.81 |
| PW-1 | 05/21/02 | 140,000 | 240 | 1.2 | 0.70 | 13.0 | 192 | 1.40 | 20 | <3.0 | 1.91 |
| PW-1 | 08/28/02 | 129,000 | 243 | 1.4 | 1.2 | 17.0 | 210 | <0.050 | 64 | <3.0 | 0.63 |
| PW-1 | 11/20/02 | 97,200 | 132 | 28 | 1.1 | 13.0 | 220 | <0.050 | 38 | <3.0 | 1.09 |
| PW-1 | 02/18/03 | 38,000 | 686 | <0.10 | <0.015 | 18.0 | 248 | <0.050 | 21 | <3.0 | 0.57 |
| PW-1 | 05/13/03 | 106,000 | 226 | <0.10 | 0.688 | 16.0 | 202 | 1.29 | 23 | <3.0 | 0.17 |
| PW-1 | 08/19/03 | 23,700 | 895 | 10.5 | 1.06 | 18.9 | 228 | 0.61 | 25 | <3.0 | 0.87 |
| PW-1 | 11/19/03 | 103,000 | 247 | 11.8 | 1.300 | 30.1 | 232 | <0.050 | 26 | <3.0 | 0.76 |
| PW-1 | 03/03/04 | 60,000 | 144 | 5.90 | 0.900 | 17.0 | 212 | <0.10 | 13 | <3.0 | 0.98 |
| PW-1 | 04/28/04 | 41,000 | 90 | 3.10 | 0.840 | 14.0 | 200 | <0.050 | 21 | <3.0 | 0.39 |
| PW-1 | 09/16/04 | --- | --- | 7.5 | 0.82 | 9.1 | 190 | 0.51 | 30 | <5.0 | 0.00 |
| PW-1 | 02/10/05 | 130,000 | 200 | 6.5 | <0.50 | 8.1 | 190 | 0.53 | 31 | <5.0 | 0.00 |
| PW-1 | 05/12/05 | 130,000 | 85 | 5.7 | 0.68 | 10 | 220 | 0.68 | 34 | <5.0 | 0.00 |

Notes:

$\mu\text{g/l}$ = Micrograms per liter

mg/l = Milligrams per liter

COD = Chemical Oxygen Demand

BOD = Biological Oxygen Demand

DO = Dissolved Oxygen

--- = Not Analyzed

< = Less than laboratory test method detection limit

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
FORTUNA MAINTENANCE STATION

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
FORTUNA MAINTENANCE STATION

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FORTUNA MAINTENANCE STATION

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
FORTUNA MAINTENANCE STATION

| SAMPLE I.D. | DATE | Acetone ($\mu\text{g/l}$) | tert-Butylbenzene ($\mu\text{g/l}$) | 1,2-DCA ($\mu\text{g/l}$) | 1,1,1-TCA ($\mu\text{g/l}$) | Chloroethane ($\mu\text{g/l}$) | Chloroform ($\mu\text{g/l}$) | cis-1,2-DCE ($\mu\text{g/l}$) | 1,2-DCP ($\mu\text{g/l}$) | TCE ($\mu\text{g/l}$) | 2-Hexanone ($\mu\text{g/l}$) | Carbon Disulfide ($\mu\text{g/l}$) | 1,2,4-TMB ($\mu\text{g/l}$) |
|----------------|------|--------------------------------|--|--------------------------------|----------------------------------|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------|----------------------------|-----------------------------------|---|----------------------------------|
|----------------|------|--------------------------------|--|--------------------------------|----------------------------------|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------|----------------------------|-----------------------------------|---|----------------------------------|

Notes:

$1\text{sq}/1 = \text{Micromgrams per liter}$

Helle - Microlaguanus 11

1,2-DCA = 1,2-dichloroethane

1,1-DCA = 1,1-dichloroethane

1,1,1-TCA = 1,1,1-trichloroethane

1,1,1-TCA = 1,1,1-trichloroethane

122 NCP = 1, 2-dichloroethane

卷之三

ICE = trichloroethene

1,2,4-TMB = 1,2,4-Triini

< ND = Less than labora

= Not enclusted

APPENDIX

A

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-1 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 20.0 feet | Screened Casing Length: |
| Well Elevation: 53.15 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 3.03 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 11.08 Gal. | Volumes Purged: 2.3 |
| Start Purging Time: 0930 | End Purging Time: 1003 |
| Total Time: 33 min. | Flow Gauge: to |
| Total Volume Purged: 26 Gal. | Avg. Flow Rate: 0.8 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 0938 | 13.1 | 324 | 6.31 | 12 |
| 1003 | 14.6 | 315 | 6.25 | 26 |
| | | | | |
| | | | | |
| 1005 | | | | Sample |

| |
|--|
| Comments: Turbid; slight odor |
| Dry @ 16 gal. waited for recharge – purged 10 gal. |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-2 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 24.1 feet | Screened Casing Length: |
| Well Elevation: 53.09 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.56 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.71 Gal. | Volumes Purged: 3.1 |
| Start Purging Time: 1006 | End Purging Time: 1042 |
| Total Time: 36 min. | Flow Gauge: to |
| Total Volume Purged: 40 Gal. | Avg. Flow Rate: 1.1 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1016 | 14.5 | 740 | 6.92 | 15 |
| 1026 | 14.4 | 741 | 6.93 | 30 |
| 1042 | 15.5 | 718 | 6.21 | 40 |
| | | | | |
| 1045 | | | | Sample |

| |
|--|
| Comments: Nearly clear, light brown, hydrocarbon odor. |
| Dry at 30 gal. Waited for recharge – collected 10 gal. |
| Well box below grade, rusted out. |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-3 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 24.0 feet | Screened Casing Length: |
| Well Elevation: 54.00 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.92 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.41 Gal. | Volumes Purged: 2.4 |
| Start Purging Time: 1527 | End Purging Time: 1600 |
| Total Time: 33 min. | Flow Gauge: to |
| Total Volume Purged: 34 Gal. | Avg. Flow Rate: 1.0 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|-----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: : TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1536 | 13.5 | 396 | 6.68 | 15 |
| 1545 | 15.1 | 383 | 6.32 | 24 |
| 1600 | 15.5 | 385 | 6.18 | 34 |
| | | | | |
| 1610 | | | | Sample |

| |
|---|
| Comments: Strong hydrocarbon odors; clear |
| Dry at 24 gal. Waited for recharge – purged 10 gal. |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-5 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 24.1 feet | Screened Casing Length: |
| Well Elevation: 53.29 feet MSL measured from | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 2.78 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 13.92 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 1130 | End Purging Time: 1157 |
| Total Time: 27 min. | Flow Gauge: to |
| Total Volume Purged: 42 Gal. | Avg. Flow Rate: 1.6 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1139 | 15.8 | 250 | 6.91 | 14 |
| 1148 | 15.5 | 249 | 7.11 | 28 |
| 1157 | 16.0 | 255 | 7.21 | 42 |
| | | | | |
| 1210 | | | | Sample |

| |
|-----------------|
| Comments: Clear |
| |
| |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-6 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 23.9 feet | Screened Casing Length: |
| Well Elevation: 54.05 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 0.89 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 15.02 Gal. | Volumes Purged: 2.5 |
| Start Purging Time: 1258 | End Purging Time: 1340 |
| Total Time: 42 min. | Flow Gauge: to |
| Total Volume Purged: 37 Gal. | Avg. Flow Rate: 0.9 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|---------------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX, VOCs | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1308 | 15.4 | 390 | 7.11 | 15 |
| 1319 | 16.2 | 368 | 7.00 | 26 |
| 1340 | 16.1 | 340 | 7.02 | 37 |
| | | | | |
| 1345 | | | | Sample |

| |
|---|
| Comments: Clear |
| Dry at 26 gal. Waited for recharge. Purged 11 gallons more before sampling. |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-8 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 26.0 feet | Screened Casing Length: |
| Well Elevation: 53.68 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 3.80 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.49 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 1046 | End Purging Time: 1116 |
| Total Time: 30 min. | Flow Gauge: to |
| Total Volume Purged: 44 Gal. | Avg. Flow Rate: 1.5 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1056 | 15.0 | 147 | 6.78 | 15 |
| 1106 | 15.2 | 141 | 6.69 | 30 |
| 1116 | 15.2 | 143 | 6.64 | 44 |
| | | | | |
| 1125 | | | | Sample |

| |
|------------------|
| Comments: Clear. |
| |
| |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-10 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 25.4 feet | Screened Casing Length: |
| Well Elevation: 54.21 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.61 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 15.53 Gal. | Volumes Purged: 2.3 |
| Start Purging Time: 1310 | End Purging Time: 1346 |
| Total Time: 36 min. | Flow Gauge: to |
| Total Volume Purged: 36 Gal. | Avg. Flow Rate: 1.0 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|---------------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX, VOCs | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1320 | 16.5 | 388 | 6.93 | 15 |
| 1330 | 16.8 | 380 | 6.79 | 24 |
| 1346 | 16.7 | 377 | 6.77 | 36 |
| | | | | |
| 1355 | | | | Sample |

| |
|---|
| Comments: Turbid; slight odor |
| Dry at 24 gal. Waited for recharge – purged 12 gal. |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-11 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 25.0 feet | Screened Casing Length: |
| Well Elevation: 55.27 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 3.15 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.26 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 0837 | End Purging Time: 0907 |
| Total Time: 30 min. | Flow Gauge: to |
| Total Volume Purged: 43 Gal. | Avg. Flow Rate: 1.4 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 0847 | 15.2 | 227 | 6.80 | 15 |
| 0857 | 15.5 | 203 | 7.01 | 30 |
| 0907 | 15.5 | 211 | 7.04 | 43 |
| | | | | |
| 0915 | | | | Sample |

| |
|---|
| Comments: Clear; strong odor |
| Casing has $\frac{3}{4}$ " – 1" chip out of northwest side. |
| *replaced 4" well cap |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-12 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 24.8 feet | Screened Casing Length: |
| Well Elevation: 55.30 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.61 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 15.14 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 0803 | End Purging Time: 0830 |
| Total Time: 27 min. | Flow Gauge: to |
| Total Volume Purged: 46 Gal. | Avg. Flow Rate: 1.7 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 0812 | 12.7 | 188 | 6.30 | 15 |
| 0821 | 14.2 | 184 | 6.29 | 30 |
| 0830 | 15.0 | 182 | 6.30 | 46 |
| | | | | |
| 0835 | | | | Sample |

| |
|------------------------------------|
| Comments: Slight hydrocarbon odor. |
| |
| |
| * replaced 4" cap |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-13 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 19.6 feet | Screened Casing Length: |
| Well Elevation: 52.93 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.52 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 11.80 Gal. | Volumes Purged: 3.1 |
| Start Purging Time: 0651 | End Purging Time: 0714 |
| Total Time: 23 min. | Flow Gauge: to |
| Total Volume Purged: 36 Gal. | Avg. Flow Rate: 1.6 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 0659 | 14.0 | 214 | 6.20 | 12 |
| 0706 | 15.4 | 223 | 6.35 | 24 |
| 0714 | 14.3 | 220 | 6.42 | 36 |
| | | | | |
| 0725 | | | | Sample |

| |
|------------------------------------|
| Comments: Clear |
| |
| |
| Duplicate MW-17 collected at 0700. |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-14 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 19.5 feet | Screened Casing Length: |
| Well Elevation: 52.07 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.58 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 11.70 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 0716 | End Purging Time: 0739 |
| Total Time: 23 min. | Flow Gauge: to |
| Total Volume Purged: 35 Gal. | Avg. Flow Rate: 1.5 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 0724 | 14.9 | 113 | 6.21 | 12 |
| 0731 | 15.8 | 100 | 6.11 | 24 |
| 0739 | 15.7 | 101 | 6.17 | 35 |
| | | | | |
| 0745 | | | | Sample |

| |
|-----------------|
| Comments: Clear |
| |
| |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-15 | Date: 3/8/06 |
| Well Diameter: 2 in. | Field Personnel: JE |
| Casing Length: 18.6 feet | Screened Casing Length: |
| Well Elevation: 54.47 feet MSL | |

| PURGE CHARACTERISTICS | |
|---|---|
| Water Depth Before Purging: 1.72 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 2.75 Gal. | Volumes Purged: 3.1 |
| Start Purging Time: 1512 | End Purging Time: 1518 |
| Total Time: 6 min. | Flow Gauge: to |
| Total Volume Purged: 8.5 Gal. | Avg. Flow Rate: 1.4 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1514 | 14.1 | 630 | 6.62 | 3 |
| 1516 | 14.7 | 685 | 7.01 | 6 |
| 1518 | 14.6 | 694 | 7.19 | 8.5 |
| | | | | |
| 1525 | | | | Sample |

| |
|---|
| Comments: Purge water turbid, grayish color, hydrocarbon odor |
| |
| |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: MW-16 | Date: 3/8/06 |
| Well Diameter: 2 in. | Field Personnel: JE |
| Casing Length: 20.4 feet | Screened Casing Length: |
| Well Elevation: 53.75 feet MSL | |

| PURGE CHARACTERISTICS | |
|---|---|
| Water Depth Before Purging: 2.25 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 2.96 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 1601 | End Purging Time: 1607 |
| Total Time: 6 min. | Flow Gauge: to |
| Total Volume Purged: 9 Gal. | Avg. Flow Rate: 1.5 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inch |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1603 | 15.4 | 517 | 6.90 | 3 |
| 1605 | 15.9 | 529 | 6.99 | 6 |
| 1607 | 16.0 | 539 | 7.02 | 9 |
| | | | | |
| 1620 | | | | Sample |

| |
|---|
| Comments: Gray, turbid; strong odor with sheen. |
| |
| |
| No product detected with interface probe. |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: DW-1 | Date: 3/8/06 |
| Well Diameter: 4 in. | Field Personnel: JE |
| Casing Length: 38.2 feet | Screened Casing Length: |
| Well Elevation: 54.14 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 8.65 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 19.29 Gal. | Volumes Purged: 3.0 |
| Start Purging Time: 1211 | End Purging Time: 1247 |
| Total Time: 36 min. | Flow Gauge: to |
| Total Volume Purged: 58 Gal. | Avg. Flow Rate: 1.6 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|---------------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX, VOCs | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (μmhos/cm) | pH | Gallons Purged |
| 1223 | 16.5 | 413 | 6.69 | 19 |
| 1235 | 16.8 | 404 | 6.59 | 38 |
| 1247 | 17.0 | 401 | 6.53 | 58 |
| | | | | |
| 1255 | | | | Sample |

| |
|-----------------|
| Comments: Clear |
| |
| |
| |
| |

MONITORING WELL SAMPLING DATA

| | |
|--|------------------------------------|
| Project Name: Fortuna Maintenance Station | Project Number: S8875-06-49 |
| Well No.: PW-1 | Date: 3/8/06 |
| Well Diameter: 6 in. | Field Personnel: JE |
| Casing Length: 26.4 feet | Screened Casing Length: |
| Well Elevation: 54.38 feet MSL | |

| PURGE CHARACTERISTICS | |
|--|---|
| Water Depth Before Purging: 1.68 ft. | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. 6 in. = 1.47 Gal/ft |
| Calculated Water Column Volume: 36.34 Gal. | Volumes Purged: 2.8 |
| Start Purging Time: 1350 | End Purging Time: 1510 |
| Total Time: 80 min. | Flow Gauge: to |
| Total Volume Purged: 100 Gal. | Avg. Flow Rate: 1.3 gpm |
| Water Depth After Purging: feet | Time: |
| Dissolved Oxygen: mg/l | Free Product: (No); Thickness: inches |

| SAMPLING CHARACTERISTICS | | | | |
|----------------------------------|---------------------|------------------------------------|------|-------------------|
| Purging Method: Submersible Pump | | Sampling Method: Disposable Bailer | | |
| Laboratory Analysis: TPHg, BTEX | | | | |
| TIME | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm) | pH | Gallons Purged |
| 1415 | 14.8 | 591 | 6.36 | 37 |
| 1438 | 15.7 | 589 | 6.51 | 74 |
| 1510 | 15.6 | 542 | 6.59 | 100 |
| | | | | |
| 1515 | | | | Sample |

| |
|--|
| Comments: clear; strong hydrocarbon odor |
| Dry @ 75 gal. Waited for recharge – purged 25 gal. |
| |
| |

APPENDIX

B

March 22, 2006



Rebecca Silva
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082818

RE: Fortuna M.S., S8875-06-49

Attention: Rebecca Silva

Enclosed are the results for sample(s) received on March 11, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology
Laboratories

3275 Walnut Avenue ^{1st fl} 30 th floor, Walnut Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-001 **Collection Date:** 3/8/2006 7:25:00 AM

Client Sample ID: MW-13 **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|-------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|-------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 |
| Ethylbenzene | ND | 0.50 | µg/L | 1 |
| m,p-Xylene | ND | 1.0 | µg/L | 1 |
| o-Xylene | ND | 0.50 | µg/L | 1 |
| Toluene | ND | 0.50 | µg/L | 1 |

Lab ID: 082818-002 **Collection Date:** 3/8/2006 7:00:00 AM

Client Sample ID: MW-17 *duplicate of MW-13* **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|-------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|-------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 |
| Ethylbenzene | ND | 0.50 | µg/L | 1 |
| m,p-Xylene | ND | 1.0 | µg/L | 1 |
| o-Xylene | ND | 0.50 | µg/L | 1 |
| Toluene | ND | 0.50 | µg/L | 1 |

*good RL
3/8/06*

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-003 **Collection Date:** 3/8/2006 7:45:00 AM
Client Sample ID: MW-14 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 9:00:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 9:00:00 AM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 9:00:00 AM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 9:00:00 AM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 9:00:00 AM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 9:00:00 AM |

Lab ID: 082818-004 **Collection Date:** 3/8/2006 8:35:00 AM**Client Sample ID:** MW-12 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 9:53:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 9:53:00 AM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 9:53:00 AM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 9:53:00 AM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 9:53:00 AM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 9:53:00 AM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted OutE Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-005 **Collection Date:** 3/8/2006 9:15:00 AM
Client Sample ID: MW-11 **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | | |
|--------------------|--------------------|-----------|-------------|---|----------------------|
| RunID: GC6_060318B | QC Batch: I06VW064 | PrepDate: | Analyst: EA | | |
| GRO | 1.1 | 0.050 | mg/L | 1 | 3/19/2006 1:25:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | | |
|--------------------|--------------------|-----------|-------------|---|----------------------|
| RunID: GC6_060318B | QC Batch: I06VW064 | PrepDate: | Analyst: EA | | |
| Benzene | 10 | 0.50 | µg/L | 1 | 3/19/2006 1:25:00 AM |
| Ethylbenzene | 7.5 | 0.50 | µg/L | 1 | 3/19/2006 1:25:00 AM |
| m,p-Xylene | 2.5 | 1.0 | µg/L | 1 | 3/19/2006 1:25:00 AM |
| o-Xylene | 3.3 | 0.50 | µg/L | 1 | 3/19/2006 1:25:00 AM |
| Toluene | 4.2 | 0.50 | µg/L | 1 | 3/19/2006 1:25:00 AM |

Lab ID: 082818-006 **Collection Date:** 3/8/2006 10:05:00 AM

Client Sample ID: MW-1 **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | | |
|--------------------|--------------------|-----------|-------------|---|-----------------------|
| RunID: GC6_060318A | QC Batch: I06VW063 | PrepDate: | Analyst: EA | | |
| GRO | ND | 0.050 | mg/L | 1 | 3/18/2006 10:46:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | | |
|--------------------|--------------------|-----------|-------------|---|-----------------------|
| RunID: GC6_060318A | QC Batch: I06VW063 | PrepDate: | Analyst: EA | | |
| Benzene | ND | 0.50 | µg/L | 1 | 3/18/2006 10:46:00 AM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | 3/18/2006 10:46:00 AM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 | 3/18/2006 10:46:00 AM |
| o-Xylene | ND | 0.50 | µg/L | 1 | 3/18/2006 10:46:00 AM |
| Toluene | ND | 0.50 | µg/L | 1 | 3/18/2006 10:46:00 AM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-007 **Collection Date:** 3/8/2006 10:45:00 AM**Client Sample ID:** MW-2 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|-------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 11:15:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|-------------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 11:15:00 AM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 11:15:00 AM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 11:15:00 AM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 11:15:00 AM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 11:15:00 AM |

Lab ID: 082818-008 **Collection Date:** 3/8/2006 11:25:00 AM**Client Sample ID:** MW-8 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 6:53:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 6:53:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 6:53:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 6:53:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 6:53:00 PM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 6:53:00 PM |

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted OutE Value above quantitation range
ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-009 **Collection Date:** 3/8/2006 12:10:00 PM
Client Sample ID: MW-5 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed****GASOLINE RANGE ORGANICS BY GC/FID****EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 7:20:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 7:20:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 7:20:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 7:20:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 7:20:00 PM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 7:20:00 PM |

Lab ID: 082818-010 **Collection Date:** 3/8/2006 12:55:00 PM**Client Sample ID:** DW-1 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed****GASOLINE RANGE ORGANICS BY GC/FID****EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 7:46:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 7:46:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 7:46:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 7:46:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 7:46:00 PM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 7:46:00 PM |

| | | | | |
|--------------------|----|--|----|--|
| Qualifiers: | B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | ND | Not Detected at the Reporting Limit |
| | S | Spike/Surrogate outside of limits due to matrix interference | | Results are wet unless otherwise specified |
| | DO | Surrogate Diluted Out | | |

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DW-1

Lab Order: 082818

Collection Date: 3/8/2006 12:55:00 PM

Project: Fortuna M.S., S8875-06-49

Matrix: WATER

Lab ID: 082818-010

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

| RunID: MS11_060314A | QC Batch: | A06VW058 | | PrepDate: | Analyst: TT |
|-----------------------------|-----------|----------|------|-----------|-----------------------|
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1-Dichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2,3-Trichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2-Dibromoethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| 4-Isopropyltoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Benzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Bromobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Bromoform | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Bromomethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Carbon tetrachloride | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Chloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Chloroform | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Chloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| cis-1,2-Dichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Dibromochloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |
| Dibromomethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:30:00 PM |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

| | | | |
|-------------------|---------------------------|--------------------------|----------------------|
| CLIENT: | Geocon Consultants, Inc. | Client Sample ID: | DW-1 |
| Lab Order: | 082818 | Collection Date: | 3/8/2006 12:55:00 PM |
| Project: | Fortuna M.S., S8875-06-49 | | |
| Lab ID: | 082818-010 | Matrix: | WATER |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

| RunID: MS11_060314A | QC Batch: | A06VW058 | PrepDate: | Analyst: TT |
|--------------------------|-----------|----------|-----------|-----------------------|
| Dichlorodifluoromethane | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Isopropylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 3/14/2006 11:30:00 PM |
| Methylene chloride | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| n-Butylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| n-Propylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Naphthalene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| sec-Butylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Styrene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| tert-Butylbenzene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Tetrachloroethene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Toluene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| trans-1,2-Dichloroethene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Trichloroethene | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Trichlorofluoromethane | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |
| Vinyl chloride | ND | 0.50 | µg/L | 3/14/2006 11:30:00 PM |

| | | | | |
|--------------------|----|--|----|--|
| Qualifiers: | B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | ND | Not Detected at the Reporting Limit |
| | S | Spike/Surrogate outside of limits due to matrix interference | | Results are wet unless otherwise specified |
| | DO | Surrogate Diluted Out | | |

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-011 **Collection Date:** 3/8/2006 1:45:00 PM**Client Sample ID:** MW-6 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | ND | 0.050 | mg/L | 1 3/18/2006 8:12:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|------------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 3/18/2006 8:12:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/18/2006 8:12:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/18/2006 8:12:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/18/2006 8:12:00 PM |
| Toluene | ND | 0.50 | µg/L | 1 3/18/2006 8:12:00 PM |

| | | | | |
|--------------------|----|--|----|--|
| Qualifiers: | B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | ND | Not Detected at the Reporting Limit |
| | S | Spike/Surrogate outside of limits due to matrix interference | | Results are wet unless otherwise specified |
| | DO | Surrogate Diluted Out | | |

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** MW-6
Lab Order: 082818 **Collection Date:** 3/8/2006 1:45:00 PM
Project: Fortuna M.S., S8875-06-49
Lab ID: 082818-011 **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

| RunID: MS11_060314A | QC Batch: | A06VW058 | | PrepDate: | Analyst: TT |
|-----------------------------|-----------|----------|------|-----------|-----------------------|
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1-Dichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2,3-Trichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2-Dibromoethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| 4-Isopropyltoluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Benzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Bromobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Bromoform | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Bromomethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Carbon tetrachloride | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Chloroethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Chloroform | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Chloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| cis-1,2-Dichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Dibromochloromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Dibromomethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc.**Client Sample ID:** MW-6**Lab Order:** 082818**Collection Date:** 3/8/2006 1:45:00 PM**Project:** Fortuna M.S., S8875-06-49**Lab ID:** 082818-011**Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

| RunID: MS11_060314A | QC Batch: | A06VW058 | | PrepDate: | Analyst: TT |
|--------------------------|-----------|----------|------|-----------|-----------------------|
| Dichlorodifluoromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Isopropylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Methylene chloride | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| n-Butylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| n-Propylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Naphthalene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| o-Xylene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| sec-Butylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Styrene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| tert-Butylbenzene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Tetrachloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Toluene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| trans-1,2-Dichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Trichloroethene | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Trichlorofluoromethane | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |
| Vinyl chloride | ND | 0.50 | µg/L | 1 | 3/14/2006 11:53:00 PM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-012 **Collection Date:** 3/8/2006 1:55:00 PM
Client Sample ID: MW-10 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | |
|--------------------|--------------------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: I06VW064 | PrepDate: | Analyst: EA |
| GRO | 0.084 | 0.050 | mg/L |
| | | 1 | 3/18/2006 8:38:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | |
|--------------------|--------------------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L |
| Ethylbenzene | ND | 0.50 | µg/L |
| m,p-Xylene | ND | 1.0 | µg/L |
| o-Xylene | ND | 0.50 | µg/L |
| Toluene | ND | 0.50 | µg/L |
| | | 1 | 3/18/2006 8:38:00 PM |
| | | 1 | 3/18/2006 8:38:00 PM |
| | | 1 | 3/18/2006 8:38:00 PM |
| | | 1 | 3/18/2006 8:38:00 PM |
| | | 1 | 3/18/2006 8:38:00 PM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted OutE Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** MW-10
Lab Order: 082818 **Collection Date:** 3/8/2006 1:55:00 PM
Project: Fortuna M.S., S8875-06-49
Lab ID: 082818-012 **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--|-----------|----------|------|-------|-----------|-----------------------|
| VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | |
| EPA 8260B | | | | | | |
| RunID: MS11_060314A | QC Batch: | A06VW058 | | | PrepDate: | Analyst: TT |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1-Dichloroethene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2,3-Trichlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2-Dibromoethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2-Dichloroethane | 8.2 | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 2-Chlorotoluene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 4-Chlorotoluene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| 4-Isopropyltoluene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Benzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Bromobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Bromodichloromethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Bromoform | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Bromomethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Carbon tetrachloride | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Chlorobenzene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Chloroethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Chloroform | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Chloromethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| cis-1,2-Dichloroethene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Dibromochloromethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |
| Dibromomethane | ND | 0.50 | µg/L | | 1 | 3/15/2006 12:16:00 AM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

| | | | |
|-------------------|---------------------------|--------------------------|---------------------|
| CLIENT: | Geocon Consultants, Inc. | Client Sample ID: | MW-10 |
| Lab Order: | 082818 | Collection Date: | 3/8/2006 1:55:00 PM |
| Project: | Fortuna M.S., S8875-06-49 | | |
| Lab ID: | 082818-012 | Matrix: | WATER |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

| RunID: MS11_060314A | QC Batch: | A06VW058 | PrepDate: | Analyst: TT |
|--------------------------|-----------|----------|-----------|-------------------------|
| Dichlorodifluoromethane | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Ethylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Isopropylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| m,p-Xylene | ND | 1.0 | µg/L | 1 3/15/2006 12:16:00 AM |
| Methylene chloride | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| n-Butylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| n-Propylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Naphthalene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| o-Xylene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| sec-Butylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Styrene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| tert-Butylbenzene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Tetrachloroethene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Toluene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| trans-1,2-Dichloroethene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Trichloroethene | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Trichlorofluoromethane | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |
| Vinyl chloride | ND | 0.50 | µg/L | 1 3/15/2006 12:16:00 AM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

B Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082818
Project: Fortuna M.S., S8875-06-49

Lab ID: 082818-013 **Collection Date:** 3/8/2006 3:15:00 PM**Client Sample ID:** PW-1 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | | 0.073 | 0.050 | mg/L |
| | | | 1 | 3/18/2006 9:56:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 |
| Ethylbenzene | ND | 0.50 | µg/L | 1 |
| m,p-Xylene | ND | 1.0 | µg/L | 1 |
| o-Xylene | ND | 0.50 | µg/L | 1 |
| Toluene | ND | 0.50 | µg/L | 1 |
| | | | | 3/18/2006 9:56:00 PM |

Lab ID: 082818-014 **Collection Date:** 3/8/2006 3:25:00 PM**Client Sample ID:** MW-15 **Matrix:** WATER

Analyses **Result** **PQL** **Qual** **Units** **DF** **Date Analyzed**

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| GRO | | 0.078 | 0.050 | mg/L |
| | | | 1 | 3/18/2006 9:30:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | Analyst: EA |
| Benzene | ND | 0.50 | µg/L | 1 |
| Ethylbenzene | ND | 0.50 | µg/L | 1 |
| m,p-Xylene | ND | 1.0 | µg/L | 1 |
| o-Xylene | ND | 0.50 | µg/L | 1 |
| Toluene | ND | 0.50 | µg/L | 1 |
| | | | | 3/18/2006 9:30:00 PM |

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted OutE Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: 22-Mar-06

| | | | |
|-----------------|---------------------------|-------------------|--------|
| CLIENT: | Geocon Consultants, Inc. | Lab Order: | 082818 |
| Project: | Fortuna M.S., S8875-06-49 | | |

| | | | |
|----------------|------------|-------------------------|---------------------|
| Lab ID: | 082818-015 | Collection Date: | 3/8/2006 4:10:00 PM |
|----------------|------------|-------------------------|---------------------|

| | | | |
|--------------------------|------|----------------|-------|
| Client Sample ID: | MW-3 | Matrix: | WATER |
|--------------------------|------|----------------|-------|

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | | | |
|--------------------|-----------|----------|-----------|------|-------------|-----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | | Analyst: EA | |
| GRO | | 1.8 | 0.50 | mg/L | 10 | 3/18/2006 10:23:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | | | |
|--------------------|-----------|----------|-----------|------|-------------|-----------------------|
| RunID: GC6_060320A | QC Batch: | I06VW066 | PrepDate: | | Analyst: EA | |
| Benzene | | 43 | 0.50 | µg/L | 1 | 3/20/2006 11:37:00 AM |
| Ethylbenzene | | 23 | 0.50 | µg/L | 1 | 3/20/2006 11:37:00 AM |
| m,p-Xylene | | 6.6 | 1.0 | µg/L | 1 | 3/20/2006 11:37:00 AM |
| o-Xylene | | ND | 0.50 | µg/L | 1 | 3/20/2006 11:37:00 AM |
| Toluene | | 2.8 | 0.50 | µg/L | 1 | 3/20/2006 11:37:00 AM |

| | | | |
|----------------|------------|-------------------------|---------------------|
| Lab ID: | 082818-016 | Collection Date: | 3/8/2006 4:20:00 PM |
|----------------|------------|-------------------------|---------------------|

| | | | |
|--------------------------|-------|----------------|-------|
| Client Sample ID: | MW-16 | Matrix: | WATER |
|--------------------------|-------|----------------|-------|

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | | | |
|--------------------|-----------|----------|-----------|------|-------------|-----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | | Analyst: EA | |
| GRO | | 42 | 0.50 | mg/L | 10 | 3/18/2006 10:49:00 PM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | | | |
|--------------------|-----------|----------|-----------|------|-------------|-----------------------|
| RunID: GC6_060318B | QC Batch: | I06VW064 | PrepDate: | | Analyst: EA | |
| Benzene | | 5000 | 5.0 | µg/L | 10 | 3/18/2006 10:49:00 PM |
| Ethylbenzene | | 760 | 5.0 | µg/L | 10 | 3/18/2006 10:49:00 PM |
| m,p-Xylene | | 3900 | 10 | µg/L | 10 | 3/18/2006 10:49:00 PM |
| o-Xylene | | 2100 | 5.0 | µg/L | 10 | 3/18/2006 10:49:00 PM |
| Toluene | | 6700 | 25 | µg/L | 50 | 3/20/2006 12:03:00 PM |

Qualifiers:

| | |
|----|--|
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out |

| | |
|----|--|
| E | Value above quantitation range |
| ND | Not Detected at the Reporting Limit |
| | Results are wet unless otherwise specified |

Advanced Technology Laboratories

Date: 22-Mar-06

ANALYTICAL QC SUMMARY REPORT

CLIENT: Geocon Consultants, Inc.

Work Order: 082818

Project: Fortuna M.S., S8875-06-49

TestCode: 8015_W_GP LL

| Sample ID: 1031706MB2MS | SampType: MS | TestCode: 8015_W_GP | Units: mg/L | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RunNo: 60764 |
|--------------------------|--------------------|---------------------|-------------|-------------|-----------|-------------|------|----------|-----------|-------------|------------|----------------|---------------|
| Client ID: ZZZZZZ | Batch ID: 106VW063 | TestNo: EPA 8015B(M | | | | | | | | | | | SeqNo: 898967 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | | | | | | | | | |
| GRO | 0.90 | 0.050 | 1.000 | 0 | | | 89.8 | 71 | 122 | | | | |
| Sample ID: 1031706MB2MSD | SampType: MSD | TestCode: 8015_W_GP | Units: mg/L | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RunNo: 60764 |
| Client ID: ZZZZZZ | Batch ID: 106VW063 | TestNo: EPA 8015B(M | | | | | | | | | | | SeqNo: 898968 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | | | | | | | | | |
| GRO | 0.98 | 0.050 | 1.000 | 0 | | | 97.7 | 71 | 122 | 1.043 | | 6.53 | 30 |
| Sample ID: 1031706MB2 | SampType: MBLK | TestCode: 8015_W_GP | Units: mg/L | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RunNo: 60764 |
| Client ID: PBW | Batch ID: 106VW063 | TestNo: EPA 8015B(M | | | | | | | | | | | SeqNo: 898969 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | | | | | | | | | |
| GRO | ND | 0.050 | | | | | | | | | | | |
| Sample ID: 082818-003A | SampType: DUP | TestCode: 8015_W_GP | Units: mg/L | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RunNo: 60764 |
| Client ID: MW-14 | Batch ID: 106VW063 | TestNo: EPA 8015B(M | | | | | | | | | | | SeqNo: 898976 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | | | | | | | | | |
| GRO | ND | 0.050 | | | | | | | | | | | |
| Sample ID: 1031706LCS1 | SampType: LCS | TestCode: 8015_W_GP | Units: mg/L | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RunNo: 60764 |
| Client ID: LCSW | Batch ID: 106VW063 | TestNo: EPA 8015B(M | | | | | | | | | | | SeqNo: 899240 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | | | | | | | | | |
| GRO | 0.86 | 0.050 | 1.000 | 0 | | | 85.5 | 71 | 122 | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

| Sample ID: | 1031706LC53 | SampType: | LCS | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | RunNo: | 60780 | |
|------------|---------------|-----------|----------|-----------|-------------|--------|----------|----------------|-------------|--------|----------|------|
| Client ID: | LCSW | Batch ID: | 106VW064 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/18/2006 | SeqNo: | 899445 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| GRO | | 0.98 | 0.050 | 1.000 | 0 | 97.9 | 71 | 122 | | | | |
| Sample ID: | 1031706MB4MS | SampType: | MSD | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | RunNo: | 60780 | |
| Client ID: | ZZZZZZ | Batch ID: | 106VW064 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/18/2006 | SeqNo: | 899457 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| GRO | | 0.97 | 0.050 | 1.000 | 0 | 96.6 | 71 | 122 | | | | |
| Sample ID: | 1031706MB4MSD | SampType: | MSD | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | RunNo: | 60780 | |
| Client ID: | ZZZZZZ | Batch ID: | 106VW064 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/18/2006 | SeqNo: | 899458 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| GRO | | 0.95 | 0.050 | 1.000 | 0 | 94.7 | 71 | 122 | 0.9710 | 2.50 | 30 | |
| Sample ID: | 1031706MB4 | SampType: | MBLK | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | RunNo: | 60780 | |
| Client ID: | PBW | Batch ID: | 106VW064 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/18/2006 | SeqNo: | 899459 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| GRO | | ND | 0.050 | | | | | | | | | |
| Sample ID: | 082818-012A | SampType: | DUP | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | RunNo: | 60780 | |
| Client ID: | MW-10 | Batch ID: | 106VW064 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/18/2006 | SeqNo: | 899465 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| GRO | | 0.085 | 0.050 | | | | | | 0.08400 | 1.18 | 30 | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
S Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

| Sample ID: | Client ID: | Analyte | SampType: | LCS | TestCode: | 8015_W_GP | Units: | mg/L | Prep Date: | | | |
|--------------------------|-------------------|---------|----------------|--------------------|---------------------|---------------------|--------|----------|----------------|-------------|------|----------|
| | | | Batch ID: | 106VW066 | TestNo: | EPA 8015B(M | | | Analysis Date: | 3/20/2006 | | |
| | | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit |
| GRO | | | | 1.1 | 0.050 | 1.000 | 0 | 107 | 71 | 122 | | |
| Sample ID: 1032006MB2MS | Client ID: ZZZZZZ | Analyte | SampType: MS | Batch ID: 106VW066 | TestCode: 8015_W_GP | TestNo: EPA 8015B(M | | | Prep Date: | | | |
| | | | | | | | | | Analysis Date: | 3/20/2006 | | |
| GRO | | | | 1.0 | 0.050 | 1.000 | 0 | 101 | 71 | 122 | | |
| Sample ID: 1032006MB2MSD | Client ID: ZZZZZZ | Analyte | SampType: MSD | Batch ID: 106VW066 | TestCode: 8015_W_GP | TestNo: EPA 8015B(M | | | Prep Date: | | | |
| | | | | | | | | | Analysis Date: | 3/20/2006 | | |
| GRO | | | | 1.0 | 0.050 | 1.000 | 0 | 104 | 71 | 122 | | |
| Sample ID: 1032006MB2 | Client ID: PBW | Analyte | SampType: MBLK | Batch ID: 106VW066 | TestCode: 8015_W_GP | TestNo: EPA 8015B(M | | | Prep Date: | | | |
| | | | | | | | | | Analysis Date: | 3/20/2006 | | |
| GRO | | | | ND | 0.050 | | | | | | | |
| Sample ID: 082947-001A | Client ID: ZZZZZZ | Analyte | SampType: DUP | Batch ID: 106VW066 | TestCode: 8015_W_GP | TestNo: EPA 8015B(M | | | Prep Date: | | | |
| | | | | | | | | | Analysis Date: | 3/20/2006 | | |
| GRO | | | | ND | 0.050 | | | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Page 22 of 33

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: 1031706LCS2 SampType: LCS TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Prep Date: Analysis Date: 3/18/2006 | | | | RunNo: 60764 SeqNo: 899247 | |
|---|---------------------|-------------------|-------|-----------|-------------|------|----------|-----------|-------------|-------------------------------------|----------|------|--|----------------------------|--|
| Client ID: LCSW | Batch ID: 106VVW063 | TestNo: EPA 8021B | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | | | |
| Benzene | 93 | 0.50 | 100.0 | 0 | 92.9 | 69 | 150 | | | | | | | | |
| Toluene | 94 | 0.50 | 100.0 | 0 | 93.6 | 68 | 132 | | | | | | | | |
| Ethylbenzene | 98 | 0.50 | 100.0 | 0 | 98.2 | 70 | 135 | | | | | | | | |
| m,p-Xylene | 200 | 1.0 | 200.0 | 0 | 98.9 | 73 | 126 | | | | | | | | |
| o-Xylene | 97 | 0.50 | 100.0 | 0 | 97.5 | 75 | 137 | | | | | | | | |
| Sample ID: 1031706MB2MS SampType: MS TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Prep Date: Analysis Date: 3/18/2006 | | | | RunNo: 60764 SeqNo: 899248 | |
| Client ID: ZZZZZZ | Batch ID: 106VVW063 | TestNo: EPA 8021B | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | | | |
| Benzene | 5.8 | 0.50 | 5.500 | 0 | 106 | 69 | 150 | | | | | | | | |
| Toluene | 29 | 0.50 | 30.00 | 0 | 95.4 | 68 | 132 | | | | | | | | |
| Ethylbenzene | 8.6 | 0.50 | 8.600 | 0 | 100 | 70 | 135 | | | | | | | | |
| m,p-Xylene | 34 | 1.0 | 35.00 | 0 | 97.1 | 73 | 126 | | | | | | | | |
| o-Xylene | 13 | 0.50 | 12.00 | 0 | 110 | 75 | 137 | | | | | | | | |
| Sample ID: 1031706MB2MSD SampType: MSD TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Prep Date: Analysis Date: 3/18/2006 | | | | RunNo: 60764 SeqNo: 899249 | |
| Client ID: ZZZZZZ | Batch ID: 106VVW063 | TestNo: EPA 8021B | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | | | |
| Benzene | 6.1 | 0.50 | 5.500 | 0 | 110 | 69 | 150 | 7.100 | 15.7 | 30 | | | | | |
| Toluene | 29 | 0.50 | 30.00 | 0 | 98.1 | 68 | 132 | 32.89 | 11.1 | 30 | | | | | |
| Ethylbenzene | 8.4 | 0.50 | 8.600 | 0 | 97.7 | 70 | 135 | 9.543 | 12.7 | 30 | | | | | |
| m,p-Xylene | 35 | 1.0 | 35.00 | 0 | 101 | 73 | 126 | 37.83 | 6.79 | 30 | | | | | |
| o-Xylene | 13 | 0.50 | 12.00 | 0 | 110 | 75 | 137 | 14.21 | 7.26 | 30 | | | | | |
| Sample ID: 1031706MB2 SampType: MBLK TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Prep Date: Analysis Date: 3/18/2006 | | | | RunNo: 60764 SeqNo: 899250 | |
| Client ID: PBW | Batch ID: 106VVW063 | TestNo: EPA 8021B | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | | | |
| Benzene | 6.1 | 0.50 | 5.500 | 0 | 110 | 69 | 150 | 7.100 | 15.7 | 30 | | | | | |
| Toluene | 29 | 0.50 | 30.00 | 0 | 98.1 | 68 | 132 | 32.89 | 11.1 | 30 | | | | | |
| Ethylbenzene | 8.4 | 0.50 | 8.600 | 0 | 97.7 | 70 | 135 | 9.543 | 12.7 | 30 | | | | | |
| m,p-Xylene | 35 | 1.0 | 35.00 | 0 | 101 | 73 | 126 | 37.83 | 6.79 | 30 | | | | | |
| o-Xylene | 13 | 0.50 | 12.00 | 0 | 110 | 75 | 137 | 14.21 | 7.26 | 30 | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: 1031706MB2 | | SampType: MBLK | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60764 | | | | | | |
|-------------------------|--|---------------------|----------------------|-------------|----------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: PBW | | Batch ID: 106VWW063 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899250 | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | | | |
| Toluene | | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | | ND | 1.0 | | | | | | | | | |
| o-Xylene | | ND | 0.50 | | | | | | | | | |
| Sample ID: 082818-003A | | SampType: DUP | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60764 | | | | | | |
| Client ID: MW-14 | | Batch ID: 106VWW063 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899257 | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | | | |
| Toluene | | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | | ND | 1.0 | | | | | | | | | |
| o-Xylene | | ND | 0.50 | | | | | | | | | |
| Methyl tert-butyl ether | | ND | 0.50 | | | | | | | | | |
| Xylenes, Total | | ND | 1.0 | | | | | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: 1031706LCS4 | | SampType: LCS | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60780 | | | | | |
|--------------------------|--------|---------------------|----------------------|-------------|----------------|---------------|-----------|-------------|-------|----------|------|
| Client ID: LCSW | | Batch ID: 106VWW064 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899476 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 92 | 0.50 | 100.0 | 0 | 91.5 | 69 | 150 | | | | |
| Toluene | 93 | 0.50 | 100.0 | 0 | 93.3 | 68 | 132 | | | | |
| Ethylbenzene | 98 | 0.50 | 100.0 | 0 | 98.3 | 70 | 135 | | | | |
| m,p-Xylene | 200 | 1.0 | 200.0 | 0 | 98.8 | 73 | 126 | | | | |
| o-Xylene | 97 | 0.50 | 100.0 | 0 | 97.1 | 75 | 137 | | | | |
| Sample ID: 1031706MB4MS | | SampType: MS | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60780 | | | | | |
| Client ID: ZZZZZZ | | Batch ID: 106VWW064 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899477 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 5.6 | 0.50 | 5.500 | 0 | 102 | 69 | 150 | | | | |
| Toluene | 29 | 0.50 | 30.00 | 0 | 98.0 | 68 | 132 | | | | |
| Ethylbenzene | 8.7 | 0.50 | 8.600 | 0 | 101 | 70 | 135 | | | | |
| m,p-Xylene | 36 | 1.0 | 35.00 | 0 | 102 | 73 | 126 | | | | |
| o-Xylene | 14 | 0.50 | 12.00 | 0 | 116 | 75 | 137 | | | | |
| Sample ID: 1031706MB4MSD | | SampType: MSD | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60780 | | | | | |
| Client ID: ZZZZZZ | | Batch ID: 106VWW064 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899478 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 6.1 | 0.50 | 5.500 | 0 | 111 | 69 | 150 | 5.618 | 8.03 | 30 | |
| Toluene | 30 | 0.50 | 30.00 | 0 | 99.0 | 68 | 132 | 29.40 | 0.992 | 30 | |
| Ethylbenzene | 9.3 | 0.50 | 8.600 | 0 | 109 | 70 | 135 | 8.700 | 7.15 | 30 | |
| m,p-Xylene | 36 | 1.0 | 35.00 | 0 | 102 | 73 | 126 | 35.58 | 0.233 | 30 | |
| o-Xylene | 14 | 0.50 | 12.00 | 0 | 113 | 75 | 137 | 13.88 | 1.88 | 30 | |
| Sample ID: 1031706MB4 | | SampType: MBLK | TestCode: 8021_WP_BT | Units: µg/L | Prep Date: | RunNo: 60780 | | | | | |
| Client ID: PBW | | Batch ID: 106VWW064 | TestNo: EPA 8021B | | Analysis Date: | SeqNo: 899479 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
O Surrogate Diluted Out
Calculations are based on raw values

Not Detected at the Reporting Limit
Page 25 of 33

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: | 1031706MB4 | SampType: | MBLK | TestCode: | 8021_WP_BT | Units: | µg/L | Prep Date: | | RunNo: | 60780 | |
|-------------------------|-------------|-----------|----------|-----------|-------------|--------|----------|----------------|-------------|--------|----------|------|
| Client ID: | PBW | Batch ID: | 106VW064 | TestNo: | EPA 8021B | | | Analysis Date: | 3/18/2006 | SeqNo: | 899479 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | | | |
| Toluene | | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | | ND | 1.0 | | | | | | | | | |
| o-Xylene | | ND | 0.50 | | | | | | | | | |
| Sample ID: | 082818-012A | SampType: | DUP | TestCode: | 8021_WP_BT | Units: | µg/L | Prep Date: | | RunNo: | 60780 | |
| Client ID: | MW-10 | Batch ID: | 106VW064 | TestNo: | EPA 8021B | | | Analysis Date: | 3/18/2006 | SeqNo: | 899485 | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | 0 | 0 | 30 |
| Toluene | | 0.80 | 0.50 | | | | | | | 0.7860 | 2.14 | 30 |
| Ethylbenzene | | ND | 0.50 | | | | | | | 0 | 0 | 30 |
| m,p-Xylene | | ND | 1.0 | | | | | | | 0 | 0 | 30 |
| o-Xylene | | ND | 0.50 | | | | | | | 0 | 0 | 30 |
| Methyl tert-butyl ether | | 4.8 | 0.50 | | | | | | | 4.363 | 9.16 | 30 |
| Xylenes, Total | | ND | 1.0 | | | | | | | 0 | 0 | 30 |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: 1032006LCS2 SampType: LCS TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Sample ID: 1032006MB2MSD SampType: MSD TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | Sample ID: 1032006MB2MSD SampType: MBLK TestCode: 8021_WP_BT Units: µg/L | | | | | | | | | | | | | | | |
|---|--------|--------------------|-----------|-------------------|------|-------------------|-----------|--------------------|------|---|------|----------------|--------|--------------------|-----------|-------------------|------|----------------|-----------|--|------|-------------------|------|--------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Client ID: LCSW | | Batch ID: 106VW066 | | TestNo: EPA 8021B | | Client ID: ZZZZZZ | | Batch ID: 106VW066 | | TestNo: EPA 8021B | | Client ID: PBW | | Batch ID: 106VW066 | | TestNo: EPA 8021B | | Client ID: PBW | | Batch ID: 106VW066 | | TestNo: EPA 8021B | | | | | | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 94 | 0.50 | 100.0 | 0 | 94.0 | 69 | 150 | | | | | Benzene | 5.6 | 0.50 | 5.500 | 0 | 103 | 69 | 150 | | | | | Benzene | 6.7 | 0.50 | 5.500 | 0 | 121 | 69 | 150 | 5.639 | 16.5 | 30 | |
| Toluene | 94 | 0.50 | 100.0 | 0 | 94.2 | 68 | 132 | | | | | Toluene | 29 | 0.50 | 30.00 | 0 | 91.7 | 68 | 132 | | | | | Toluene | 29 | 0.50 | 30.00 | 0 | 97.4 | 68 | 132 | | | | |
| Ethylbenzene | 99 | 0.50 | 100.0 | 0 | 99.2 | 70 | 135 | | | | | Ethylbenzene | 9.0 | 0.50 | 8.600 | 0 | 105 | 70 | 135 | 7.944 | 12.8 | 30 | | Ethylbenzene | 9.0 | 0.50 | 8.600 | 0 | 105 | 70 | 135 | | | | |
| m,p-Xylene | 200 | 1.0 | 200.0 | 0 | 99.8 | 73 | 126 | | | | | m,p-Xylene | 36 | 1.0 | 35.00 | 0 | 103 | 73 | 126 | 33.30 | 8.10 | 30 | | m,p-Xylene | 36 | 1.0 | 35.00 | 0 | 103 | 73 | 126 | | | | |
| o-Xylene | 98 | 0.50 | 100.0 | 0 | 98.1 | 75 | 137 | | | | | o-Xylene | 14 | 0.50 | 12.00 | 0 | 110 | 75 | 137 | | | | | o-Xylene | 14 | 0.50 | 12.00 | 0 | 117 | 75 | 137 | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

RunNo: 60842
SeqNo: 900464

RunNo: 60842
SeqNo: 900465

RunNo: 60842
SeqNo: 900466

RunNo: 60842
SeqNo: 900467

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: | 1032006MB2 | SampType: | MBLK | TestCode: | 8021_WP_BT | Units: | µg/L | Prep Date: | RunNo: | 60842 | | |
|--------------|------------|-----------|-----------|-----------|-------------|--------|----------|----------------|-------------|--------|----------|------|
| Client ID: | PBW | Batch ID: | 106VVW066 | TestNo: | EPA 8021B | | | Analysis Date: | SeqNo: | 900467 | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | | | |
| Toluene | | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | | ND | 1.0 | | | | | | | | | |
| o-Xylene | | ND | 0.50 | | | | | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

| Sample ID: A031406LC1 | SampType: LCS | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
|--------------------------|--------------------|----------------------|-------------|----------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: LCSW | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896222 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1-Dichloroethene | 22 | 0.50 | 20.00 | 0 | 112 | 73 | 131 | | | | |
| Benzene | 20 | 0.50 | 20.00 | 0 | 102 | 90 | 121 | | | | |
| Chlorobenzene | 17 | 0.50 | 20.00 | 0 | 86.0 | 81 | 117 | | | | |
| Toluene | 20 | 0.50 | 20.00 | 0 | 102 | 93 | 121 | | | | |
| Trichloroethene | 20 | 0.50 | 20.00 | 0 | 102 | 90 | 124 | | | | |
| Sample ID: A031406MB4MS | SampType: MS | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
| Client ID: ZZZZZZ | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896223 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1-Dichloroethene | 22 | 0.50 | 20.00 | 0 | 112 | 73 | 131 | | | | |
| Benzene | 21 | 0.50 | 20.00 | 0 | 103 | 90 | 121 | | | | |
| Chlorobenzene | 17 | 0.50 | 20.00 | 0 | 86.9 | 81 | 117 | | | | |
| Toluene | 20 | 0.50 | 20.00 | 0 | 103 | 93 | 121 | | | | |
| Trichloroethene | 20 | 0.50 | 20.00 | 0 | 102 | 90 | 124 | | | | |
| Sample ID: A031406MB4MSD | SampType: MSD | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
| Client ID: ZZZZZZ | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896224 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1-Dichloroethene | 22 | 0.50 | 20.00 | 0 | 110 | 73 | 131 | 22.36 | 1.76 | 30 | |
| Benzene | 21 | 0.50 | 20.00 | 0 | 103 | 90 | 121 | 20.61 | 0.339 | 30 | |
| Chlorobenzene | 18 | 0.50 | 20.00 | 0 | 92.2 | 81 | 117 | 17.38 | 5.92 | 30 | |
| Toluene | 20 | 0.50 | 20.00 | 0 | 102 | 93 | 121 | 20.50 | 0.195 | 30 | |
| Trichloroethene | 20 | 0.50 | 20.00 | 0 | 101 | 90 | 124 | 20.32 | 0.691 | 30 | |
| Sample ID: A031406MB4 | SampType: MBLK | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
| Client ID: PBW | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896225 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Surrogate Diluted Out
ND Not Detected at the Reporting Limit

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

| Sample ID: A031406MB4 | SampType: MBLK | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
|-----------------------------|---------------------|----------------------|-------------|----------------|---------------|----------|-----------|------------|------|----------|------|
| Client ID: PBW | Batch ID: A06VWW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896225 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD RefVal | %RPD | RPDLimit | Qual |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 0.50 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.50 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.50 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 0.50 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | | | | | | | | | |
| 1,3-Dichloroethane | ND | 0.50 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 0.50 | | | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | | | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 0.50 | | | | | | | | | |
| Benzene | ND | 0.50 | | | | | | | | | |
| Bromobenzene | ND | 0.50 | | | | | | | | | |
| Bromodichloromethane | ND | 0.50 | | | | | | | | | |
| Bromoform | ND | 0.50 | | | | | | | | | |
| Bromomethane | ND | 0.50 | | | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | | | | | | | | | |
| Chlorobenzene | ND | 0.50 | | | | | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

| Sample ID: A031406MB4 | SampType: MBLK | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
|--------------------------|--------------------|----------------------|-------------|----------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: PBW | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896225 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Chloroethane | ND | 0.50 | | | | | | | | | |
| Chloroform | ND | 0.50 | | | | | | | | | |
| Chloromethane | ND | 0.50 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | | | | | | | | | |
| Dibromoethane | ND | 0.50 | | | | | | | | | |
| Dibromomethane | ND | 0.50 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | ND | 0.50 | | | | | | | | | |
| Hexachlorobutadiene | ND | 0.50 | | | | | | | | | |
| Isopropylbenzene | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | ND | 1.0 | | | | | | | | | |
| Methylene chloride | ND | 0.50 | | | | | | | | | |
| n-Butylbenzene | ND | 0.50 | | | | | | | | | |
| n-Propylbenzene | ND | 0.50 | | | | | | | | | |
| Naphthalene | ND | 0.50 | | | | | | | | | |
| o-Xylene | ND | 0.50 | | | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | | | | | | | | | |
| Styrene | ND | 0.50 | | | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | | | | | | | | | |
| Tetrachloroethene | ND | 0.50 | | | | | | | | | |
| Toluene | ND | 0.50 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | | | | | | | | | |
| Trichloroethene | ND | 0.50 | | | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | | | | | | | | | |
| Vinyl chloride | ND | 0.50 | | | | | | | | | |

| Sample ID: 082817-001BDUP | SampType: DUP | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
|--|--------------------|----------------------|-------------|----------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZZ | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896228 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Holding times for preparation or analysis exceeded | ND | | | | | | | | | | |
| Spike/Surrogate outside of limits due to matrix interference | DO | | | | | | | | | | |
| Surrogate Diluted Out | | | | | | | | | | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Not Detected at the Reporting Limit
S Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

| Sample ID: 082817-001BDUP | SampType: DUP | TestCode: 8260_WP_LL | Units: µg/L | Prep Date: | RunNo: 60583 | | | | | | |
|-----------------------------|--------------------|----------------------|-------------|----------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZZ | Batch ID: A06VW058 | TestNo: EPA 8260B | | Analysis Date: | SeqNo: 896228 | | | | | | |
| Analyte | Result | PQL | SPK\Value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1,1-Trichloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1,2-Trichloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1-Dichloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1-Dichloroethene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,1-Dichloropropene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2,3-Trichlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2,3-Trichloropropane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2,4-Trichlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2-Dibromoethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2-Dichlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2-Dichloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,2-Dichloropropane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,3-Dichlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,3-Dichloroethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 1,4-Dichlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 2,2-Dichloropropane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 2-Chlorotoluene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 4-Chlorotoluene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| 4-Isopropyltoluene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Benzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Bromobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Bromodichloromethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Bromoform | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Bromomethane | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Carbon tetrachloride | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |
| Chlorobenzene | ND | 0.50 | | | | 0 | 0 | 0 | 30 | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits S Spike/Surrogate outside of limits due to matrix interference
 Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 082818
Project: Fortuna M.S., S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | RunNo: | SeqNo: |
|--------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|--------|--------|
| Chloroethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Chloroform | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Chlormethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| cis-1,2-Dichloroethene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| cis-1,3-Dichloropropene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Dibromochloromethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Dibromomethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Dichlorodifluoromethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Ethylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Hexachlorobutadiene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Isopropylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| m,p-Xylene | ND | 1.0 | | | | | | 0 | 0 | 0 | 30 | | |
| Methylene chloride | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| n-Butylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| n-Propylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Naphthalene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| o-Xylene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| sec-Butylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Styrene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| tert-Butylbenzene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Tetrachloroethene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Toluene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| trans-1,2-Dichloroethene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Trichloroethene | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Trichlorofluoromethane | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |
| Vinyl chloride | ND | 0.50 | | | | | | 0 | 0 | 0 | 30 | | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
Calculations are based on raw values

Pg. 6

FOR LABORATORY USE ONLY:

CHAIN OF CUSTODY RECORD

March 22, 2006



Rebecca Silva
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082816

RE: Dist. 1, S8875-06-49

Attention: Rebecca Silva

Enclosed are the results for sample(s) received on March 11, 2006 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology
Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc. **Lab Order:** 082816
Project: Dist. 1, S8875-06-49

Lab ID: 082816-001 **Collection Date:** 3/6/2006 11:00:00 AM

Client Sample ID: Trip Blank **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | | ND | 0.050 | mg/L |
| | | | | 1 |
| | | | | 3/18/2006 6:49:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | | ND | 0.50 | µg/L |
| Ethylbenzene | | ND | 0.50 | µg/L |
| m,p-Xylene | | ND | 1.0 | µg/L |
| o-Xylene | | ND | 0.50 | µg/L |
| Toluene | | ND | 0.50 | µg/L |
| | | | | 1 |
| | | | | 3/18/2006 6:49:00 AM |

Lab ID: 082816-002 **Collection Date:** 3/6/2006 11:00:00 AM

Client Sample ID: Equipment Blank **Matrix:** WATER

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|
|-----------------|---------------|------------|-------------|--------------|-----------|----------------------|

GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| GRO | | ND | 0.050 | mg/L |
| | | | | 1 |
| | | | | 3/18/2006 7:15:00 AM |

VOLATILE ORGANIC COMPOUNDS BY GC/PID**EPA 8021B**

| | | | | |
|--------------------|-----------|----------|-----------|----------------------|
| RunID: GC6_060318A | QC Batch: | I06VW063 | PrepDate: | Analyst: EA |
| Benzene | | ND | 0.50 | µg/L |
| Ethylbenzene | | ND | 0.50 | µg/L |
| m,p-Xylene | | ND | 1.0 | µg/L |
| o-Xylene | | ND | 0.50 | µg/L |
| Toluene | | ND | 0.50 | µg/L |
| | | | | 1 |
| | | | | 3/18/2006 7:15:00 AM |

good 38 3/28/06

| | | | | |
|--------------------|----|--|----|--|
| Qualifiers: | B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | ND | Not Detected at the Reporting Limit |
| | S | Spike/Surrogate outside of limits due to matrix interference | | Results are wet unless otherwise specified |
| | DO | Surrogate Diluted Out | | |

Advanced Technology Laboratories

Date: 22-Mar-06

CLIENT: Geocon Consultants, Inc.
Work Order: 082816
Project: Dist. 1, S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP_LL

| Sample ID: | 031706MB2MS | SampType: | MS | TestCode: | 8015_W_GP | Units: | mg/l | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RPD | RPDLimit | Qual |
|------------|---------------|-----------|----------|-----------|-------------|--------|------|-----|-----------|-------------|------|----------|-----------|-------------|--------------|----------------|-----|----------|------|
| Client ID: | zzzzzz | Batch ID: | 106VW063 | TestNo: | EPA 8015B(M | | | | | | | | | | RunNo: 60764 | SeqNo: 898967 | | | |
| Analyte | | Result | | | | | | | | | | | | | | | | | |
| GRO | | | 0.90 | 0.050 | 1.000 | 0 | 89.8 | | | | 71 | 122 | | | | | | | |
| Sample ID: | 1031706MB2MSD | SampType: | MSD | TestCode: | 8015_W_GP | Units: | mg/l | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RPD | RPDLimit | Qual |
| Client ID: | zzzzzz | Batch ID: | 106VW063 | TestNo: | EPA 8015B(M | | | | | | | | | | RunNo: 60764 | SeqNo: 898968 | | | |
| Analyte | | Result | | | | | | | | | | | | | | | | | |
| GRO | | | 0.98 | 0.050 | 1.000 | 0 | 97.7 | | | | 71 | 122 | | | | | | | |
| Sample ID: | 1031706MB2 | SampType: | MBLK | TestCode: | 8015_W_GP | Units: | mg/l | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RPD | RPDLimit | Qual |
| Client ID: | PBW | Batch ID: | 106VW063 | TestNo: | EPA 8015B(M | | | | | | | | | | RunNo: 60764 | SeqNo: 898969 | | | |
| Analyte | | Result | | | | | | | | | | | | | | | | | |
| GRO | | | ND | 0.050 | | | | | | | | | | | | | | | |
| Sample ID: | 082818-003A | SampType: | DUP | TestCode: | 8015_W_GP | Units: | mg/l | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RPD | RPDLimit | Qual |
| Client ID: | zzzzzz | Batch ID: | 106VW063 | TestNo: | EPA 8015B(M | | | | | | | | | | RunNo: 60764 | SeqNo: 898976 | | | |
| Analyte | | Result | | | | | | | | | | | | | | | | | |
| GRO | | | ND | 0.050 | | | | | | | | | | | | | | | |
| Sample ID: | 1031706LCS1 | SampType: | LCS | TestCode: | 8015_W_GP | Units: | mg/l | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | Prep Date: | Analysis Date: | RPD | RPDLimit | Qual |
| Client ID: | LCSW | Batch ID: | 106VW063 | TestNo: | EPA 8015B(M | | | | | | | | | | RunNo: 60764 | SeqNo: 899240 | | | |
| Analyte | | Result | | | | | | | | | | | | | | | | | |
| GRO | | | 0.86 | 0.050 | 1.000 | 0 | 85.5 | | | | 71 | 122 | | | | | | | |

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 R RPD outside accepted recovery limits
 Qualifiers: E Value above quantitation range
 Calculations are based on raw values

ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 082816
Project: Dist. 1, S8875-06-49

ANALYTICAL OC SUMMARY REPORT

TestCode: 8021 WP BTEx

| | | | | | | |
|-------------|---|--------------------------------|---|--|----|-------------------------------------|
| Qualifiers: | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | ND | Not Detected at the Reporting Limit |
| | | | S | Spikes/Surrogates outside of limits due to matrix interference | DO | Surrogate Diluted Out |

CLIENT: Geocon Consultants, Inc.
Work Order: 082816
Project: Dist. 1, S8875-06-49

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEx

| Sample ID: | 1031706MB2 | SampType: | MBLK | TestCode: | 8021_WP_BT | Units: | µg/L | Prep Date: | RunNo: | 60764 | | |
|--------------|-------------|-----------|-----------|-----------|-------------|--------|----------|----------------|-------------|--------|----------|------|
| Client ID: | PBW | Batch ID: | 106VVW063 | TestNo: | EPA 8021B | | | Analysis Date: | SeqNo: | 899250 | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | | | | |
| Toluene | | ND | 0.50 | | | | | | | | | |
| Ethylbenzene | | ND | 0.50 | | | | | | | | | |
| m,p-Xylene | | ND | 1.0 | | | | | | | | | |
| o-Xylene | | ND | 0.50 | | | | | | | | | |
| Sample ID: | 082818-003A | SampType: | DUP | TestCode: | 8021_WP_BT | Units: | µg/L | Prep Date: | RunNo: | 60764 | | |
| Client ID: | ZZZZZZ | Batch ID: | 106VVW063 | TestNo: | EPA 8021B | | | Analysis Date: | SeqNo: | 899257 | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.50 | | | | | | 0 | 0 | 30 | |
| Toluene | | ND | 0.50 | | | | | | 0 | 0 | 30 | |
| Ethylbenzene | | ND | 0.50 | | | | | | 0 | 0 | 30 | |
| m,p-Xylene | | ND | 1.0 | | | | | | 0.2540 | 0 | 30 | |
| o-Xylene | | ND | 0.50 | | | | | | 0 | 0 | 30 | |

Qualifiers: E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Advanced Technology
Laboratories

33275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562)

Client: GEOCON CONSULTANTS, INC.

Project Name: Project Alpha

Published by
John Murray and Printed Names
Established by
John Murray

Enriched by: (Signature and Printed Name)

Project Manager/Submitter:
Furnished below.

Front Name

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Sample/Specimen - Attached & Cross-referenced by Client

receipt and records will be disposed of after storage fees (applies when storage

14B USE ONLY V.

Lab No. _____

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TAT starts 8 a.m. following day if

samples received after 3 p.m.